

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 02/16/2021 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : Custom 8270 w Surrogates Mix

Product code AL0-131128

Recommended use and restrictions on use

No additional information available

Phenova

6390 Joyce Dr. Suite 100

Golden, CO 80403 - United States T 1-866-942-2978 - F 1-866-283-0269

info@phenova.com - www.phenova.com

1.4. Emergency telephone number

Emergency number : ChemTel Assistance (US/Canada) 1-800-255-3924

ChemTel Assistance (International) +1 813-248-0585

SECTION 2: Hazard(s) identification

GHS US classification

Flammable liquids H225 Highly flammable liquid and vapor

Category 2

Skin sensitization, Category H317 May cause an allergic skin reaction

Germ cell mutagenicity H340 May cause genetic defects

Category 1B

Carcinogenicity Category H350 May cause cancer

Reproductive toxicity H360 May damage fertility or the unborn child

Category 1B

Full text of H statements: see section 16

GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)







Signal word (GHS US) : Danger

Hazard statements (GHS US) : H225 - Highly flammable liquid and vapor

H317 - May cause an allergic skin reaction

H340 - May cause genetic defects

H350 - May cause cancer

H360 - May damage fertility or the unborn child

P201 - Obtain special instructions before use. Precautionary statements (GHS US)

P202 - Do not handle until all safety precautions have been read and understood.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P272 - Contaminated work clothing must not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 - If on skin: Wash with plenty of water.

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse

skin with water/shower.

P308+P313 - If exposed or concerned: Get medical advice/attention.

P321 - Specific treatment (see supplemental first aid instruction on this label). P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

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P363 - Wash contaminated clothing before reuse.

P370+P378 - In case of fire: Use media other than water to extinguish.

P403+P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substance

Not applicable

3.2. Mixtures

Name	Product identifier	Conc.
Methylene Chloride (Component)	(CAS-No.) 75-09-2	91.1
atrazine (Component)	(CAS-No.) 1912-24-9	0.1
azobenzene (Component)	(CAS-No.) 103-33-3	0.1
benzidine (Component)	(CAS-No.) 92-87-5	0.1
bis(2-chloroethyl) ether (Component)	(CAS-No.) 111-44-4	0.1
Benzo(b)fluoranthene (Component)	(CAS-No.) 205-99-2	0.1
benzo[k]fluoranthene (Component)	(CAS-No.) 207-08-9	0.1
benzo[a]pyrene (Component)	(CAS-No.) 50-32-8	0.1
benzo[a]anthracene (Component)	(CAS-No.) 56-55-3	0.1
1,4-dichlorobenzene (Component)	(CAS-No.) 106-46-7	0.1
3,3'-dichlorobenzidine (Component)	(CAS-No.) 91-94-1	0.1
4-chloroaniline (Component)	(CAS-No.) 106-47-8	0.1
2,4-dinitrotoluene (Component)	(CAS-No.) 121-14-2	0.1
Bis(2-ethylhexyl) phthalate (Component)	(CAS-No.) 117-81-7	0.1
chrysene (Component)	(CAS-No.) 218-01-9	0.1
2,6-dinitrotoluene (Component)	(CAS-No.) 606-20-2	0.1
4-chloro-3-methylphenol (Component)	(CAS-No.) 59-50-7	0.1
dibenz(a,h)anthracene (Component)	(CAS-No.) 53-70-3	0.1
hexachlorobuta-1,3-diene (Component)	(CAS-No.) 87-68-3	0.1
naphthalene (Component)	(CAS-No.) 91-20-3	0.1
nitrobenzene (Component)	(CAS-No.) 98-95-3	0.1
hexachloroethane (Component)	(CAS-No.) 67-72-1	0.1
2,3,4,5,6-pentachlorophenol (Component)	(CAS-No.) 87-86-5	0.1
hexachlorobenzene (Component)	(CAS-No.) 118-74-1	0.1
indeno(1,2,3-cd)pyrene (Component)	(CAS-No.) 193-39-5	0.1
4,6-Dinitro-2-methylphenol (Component)	(CAS-No.) 534-52-1	0.1

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Name	Product identifier	Conc.
isophorone (Component)	(CAS-No.) 78-59-1	0.1
2,4,6-trichlorophenol (Component)	(CAS-No.) 88-06-2	0.1
N-Nitrosodimethylamine (Component)	(CAS-No.) 62-75-9	0.1
N-Nirosodi-n-propylamine (Component)	(CAS-No.) 621-64-7	0.1

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. IF exposed or concerned: Get

medical advice/attention.

First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed

by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness

persists.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and

symptoms

: Based on available data, the classification criteria are not met.

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up in absorbent material. Collect spillage.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work. Provide good ventilation in process area to prevent formation

of vapor.

Hygiene measures : Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated

clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Keep container tightly closed and in a well-ventilated

place. Keep away from any flames or sparking source.

Incompatible materials : Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Custom 8270 w Su	rrogates Mix	
ACGIH	Local name	Dichloromethane
ACGIH	ACGIH TWA (ppm)	50 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: COHb-emia; CNS impair. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
ACGIH	Regulatory reference	ACGIH 2021

atrazine (1912-24-9)		
ACGIH	Local name	Atrazine
ACGIH	ACGIH TWA (mg/m³)	2 mg/m³ (Inhalable fraction)
ACGIH	Remark (ACGIH)	CNS convul; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans: The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histologic type(s), or by mechanism(s) that may not be relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure)
ACGIH	Regulatory reference	ACGIH 2018

azobenzene (103-33-3)

Not applicable

benzidine (92-87-5)

Not applicable

benzo[a]anthracene (56-55-3)

Not applicable

benzo[a]pyrene (50-32-8)

Not applicable

Benzo(b)fluoranthene (205-99-2)

Not applicable

benzo[k]fluoranthene (207-08-9)

Not applicable

bis(2-chloroethyl) ether (111-44-4)		
ACGIH	Local name	Dichloroethyl ether
ACGIH	ACGIH TWA (ppm)	5 ppm
ACGIH	ACGIH STEL (ppm)	10 ppm
ACGIH	Remark (ACGIH)	URT & eye irr; nausea
ACGIH	Regulatory reference	ACGIH 2018

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bis(2-chloroethyl) ether (111 OSHA	OSHA PEL (Ceiling) (mg/m³)	90 mg/m³
OSHA	OSHA PEL (Ceiling) (Ing/III)	15 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA
	` '	OSHA
Bis(2-ethylhexyl) phthalate (D'(O athalla and) abthallata (DEUD)
ACGIH	Local name	Di(2-ethylhexyl)phthalate (DEHP)
ACGIH	ACGIH TWA (mg/m³)	5 mg/m³
ACGIH	Remark (ACGIH)	LRT irr
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³
OSHA	Regulatory reference (US-OSHA)	OSHA
4-chloroaniline (106-47-8)		
Not applicable		
4-chloro-3-methylphenol (59	-50-7)	
Not applicable		
chrysene (218-01-9)		
Not applicable	2.0)	
dibenz(a,h)anthracene (53-70 Not applicable	J-3)	
1,4-dichlorobenzene (106-46	7\	
ACGIH	Local name	p-Dichlorobenzene
ACGIH	ACGIH TWA (ppm)	10 ppm
ACGIH	Remark (ACGIH)	Eye irr; kidney dam
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m³)	450 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	75 ppm
OSHA	OSHA PEL (STEL) (mg/m³)	675 mg/m³
OSHA	OSHA PEL (STEL) (ppm)	110 ppm
OSHA	1 1 1 1	
	Regulatory reference (US-OSHA)	OSHA
3,3'-dichlorobenzidine (91-94	I-1)	
Not applicable		
2,4-dinitrotoluene (121-14-2) ACGIH	ACGIH TWA (mg/m³)	0.2 mg/m³
	ACCIT TWA (IIIg/III)	0.2 mg/m
2,6-dinitrotoluene (606-20-2) ACGIH	ACGIH TWA (mg/m³)	0.2 mg/m³
	` • ,	0.2 mg/m
hexachlorobenzene (118-74- ACGIH	Local name	Hexachlorobenzene
ACGIH	ACGIH TWA (mg/m³)	0.002 mg/m³
ACGIH	Remark (ACGIH)	Porphyrin eff; Skin dam; CNS impair
	, ,	
ACGIH	Regulatory reference	ACGIH 2018
hexachlorobuta-1,3-diene (8	•	Househberket P
ACGIH	Local name	Hexachlorobutadiene
ACGIH	ACGIH TWA (ppm)	0.02 ppm
ACGIH	Remark (ACGIH)	Kidney dam
ACGIH	Regulatory reference	ACGIH 2018

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hexachloroethane	(67-72-1)	
ACGIH	Local name	Hexachloroethane
ACGIH	ACGIH TWA (ppm)	1 ppm
ACGIH	Remark (ACGIH)	Liver & kidney dam
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m³)	10 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	1 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA
indeno(1,2,3-cd)py	rene (193-39-5)	
Not applicable		
isophorone (78-59-	1)	
ACGIH	Local name	Isophorone
ACGIH	ACGIH Ceiling (ppm)	5 ppm
ACGIH	Remark (ACGIH)	Eye & URT irr; CNS impair;
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m³)	140 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	25 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA
4,6-Dinitro-2-methy	/lphenol (534-52-1)	
ACGIH	Local name	Dinitro-o-cresol
ACGIH	ACGIH TWA (mg/m³)	0.2 mg/m³
ACGIH	Remark (ACGIH)	Basal metab
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m³)	0.2 mg/m³
OSHA	Regulatory reference (US-OSHA)	OSHA
naphthalene (91-20	0-3)	
ACGIH	Local name	Naphthalene
ACGIH	ACGIH TWA (ppm)	10 ppm (Naphthalene; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH	Remark (ACGIH)	Hematologic eff; URT & eye irr; Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans: The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histologic type(s), or by mechanism(s) that may not be relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except unde uncommon or unlikely routes or levels of exposure)
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m³)	50 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	10 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA
nitrobenzene (98-9	5-3)	
ACGIH	Local name	Nitrobenzene
ACGIH	ACGIH TWA (ppm)	1 ppm (Nitrobenzene; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH	Remark (ACGIH)	MeHb-emia
ACGIH	Regulatory reference	ACGIH 2018

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nitrobenzene (98-95-3)		
OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	1 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA

N-Nitrosodimethylamine (62-75-9)

Not applicable

N-Nirosodi-n-propylamine (621-64-7)

Not applicable

2,3,4,5,6-pentachlorophenol	(87-86-5)	
ACGIH	Local name	Pentachlorophenol
ACGIH	ACGIH TWA (mg/m³)	0.5 mg/m³ (Inhalable fraction and vapor)
ACGIH	ACGIH STEL (mg/m³)	1 mg/m³ (Inhalable fraction and vapor)
ACGIH	Remark (ACGIH)	URT & eye irr; CNS & card impair; Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans: The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histologic type(s), or by mechanism(s) that may not be relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure); BEI
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m³)	0.5 mg/m³
OSHA	Regulatory reference (US-OSHA)	OSHA

2,4,6-trichlorophenol (88-06-2)

Not applicable

Methylene Chloride (75-09-2)		
ACGIH	Local name	Dichloromethane
ACGIH	ACGIH TWA (ppm)	50 ppm
ACGIH	Remark (ACGIH)	COHb-emia; CNS impair
ACGIH	Regulatory reference	ACGIH 2018
OSHA	Remark (OSHA)	(2) See Table Z-2.
OSHA	Regulatory reference (US-OSHA)	OSHA

8.2. Appropriate engineering controls

Appropriate engineering controls

: Either local exhaust or general room ventilation is usually required.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles. Safety glasses.

Hand protection:

Wear chemically resistant protective gloves. Wear suitable gloves resistant to chemical penetration

Eye protection:

Chemical goggles or safety glasses. Safety glasses

Skin and body protection:

Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact

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Respiratory protection:

Wear appropriate mask

Personal protective equipment symbol(s):







Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

: Colorless

: characteristic

Odor threshold : No data available

pH : No data available

Melting point : No data available Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Flammability (solid, gas) : Non flammable.

Vapor pressure : No data available

Relative vapor density at 20 °C : No data available

Relative density : No data available

Solubility : No data available

Partition coefficient n-octanol/water (Log Pow) : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosion limits : No data available

Explosive properties : No data available

Oxidizing properties : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

No additional information available

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10.6. Hazardous decomposition products

No additional information available

azobenzene (103-33-3)

ATE US (oral)

LD50 oral rat

ATE US (oral)
ATE US (dermal)

3,3'-dichlorobenzidine (91-94-1)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

LD50 oral rat	1000 mg/kg (Rat, Literature study, Oral)
ATE US (oral)	1000 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
benzidine (92-87-5)	
LD50 oral rat	309 mg/kg (Rat, Literature study, Oral)
ATE US (oral)	309 mg/kg body weight
	·
bis(2-chloroethyl) ether (111-44-4)	
LD50 oral rat	75 mg/kg body weight (Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	9 mg/kg body weight (24 h, Rabbit, Experimental value, Dermal)
LC50 Inhalation - Rat	0.33 mg/l (4 h, Rat, Experimental value, Inhalation (mist))
ATE US (oral)	5 mg/kg body weight
ATE US (dermal)	9 mg/kg body weight
ATE US (gases)	100 ppmV/4h
ATE US (vapors)	0.33 mg/l/4h
ATE US (dust, mist)	0.33 mg/l/4h
Bis(2-ethylhexyl) phthalate (117-8	1-7)
LD50 dermal rabbit	19800 mg/kg body weight (24 h, Rabbit, Experimental value, Dermal)
ATE US (dermal)	19800 mg/kg body weight
4-chloroaniline (106-47-8)	
LD50 oral rat	300 – 340 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 7 day(s))
LD50 dermal rabbit	360 mg/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	2.34 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours))
ATE US (oral)	300 mg/kg body weight
ATE US (dermal)	360 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	2.34 mg/l/4h
ATE US (dust, mist)	2.34 mg/l/4h
4-chloro-3-methylphenol (59-50-7)	
LD50 oral rat	1830 mg/kg body weight (Rat, Male, Experimental value, Oral)
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
ATE US (oral)	1830 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
1,4-dichlorobenzene (106-46-7)	
LD50 dermal rat	> 6000 mg/kg (Rat, Dermal)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit, Dermal)
LC50 Inhalation - Rat	> 5 mg/l (4 h, Rat, Inhalation)
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500 mg/kg body weight

7070 mg/kg (Rat, Oral) 7070 mg/kg body weight

1100 mg/kg body weight

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2,4-dinitrotoluene (121-14-2)	
ATE US (oral)	100 mg/kg body weight
ATE US (dermal)	300 mg/kg body weight
ATE US (definal) ATE US (gases)	700 ppmV/4h
ATE US (gases) ATE US (vapors)	3 mg/l/4h
ATE US (vapors) ATE US (dust, mist)	0.5 mg/l/4h
, ,	0.5 mg///-m
2,6-dinitrotoluene (606-20-2)	477 (D. 4. O ()
LD50 oral rat	177 mg/kg (Rat, Oral)
ATE US (oral)	177 mg/kg body weight
ATE US (dermal)	300 mg/kg body weight
ATE US (vanera)	700 ppmV/4h
ATE US (vapors) ATE US (dust, mist)	3 mg/l/4h 0.5 mg/l/4h
,	0.5 Hig/l/4H
hexachlorobenzene (118-74-1)	1
LD50 oral rat	10000 mg/kg (Rat, Oral)
ATE US (oral)	10000 mg/kg body weight
hexachlorobuta-1,3-diene (87-68-3)	
LD50 oral rat	90 mg/kg (Rat, Oral)
LD50 dermal rabbit	1211 mg/kg (Rabbit, Dermal)
ATE US (oral)	90 mg/kg body weight
ATE US (dermal)	1211 mg/kg body weight
hexachloroethane (67-72-1)	
LD50 oral rat	4460 mg/kg (Rat, Oral)
LD50 dermal rabbit	32000 mg/kg (Rabbit, Dermal)
ATE US (oral)	4460 mg/kg body weight
ATE US (dermal)	32000 mg/kg body weight
isophorone (78-59-1)	
LD50 oral rat	1500 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 13 day(s))
LD50 dermal rabbit	1200 mg/kg body weight (24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	7 mg/l (4 h, Rat, Male, Experimental value, Inhalation (aerosol), 14 day(s))
ATE US (oral)	1500 mg/kg body weight
	rood mg/kg body woight
ATE US (dermal)	1200 mg/kg body weight
ATE US (dermal)	1200 mg/kg body weight
ATE US (dermal) ATE US (vapors)	1200 mg/kg body weight 7 mg/l/4h
ATE US (dermal) ATE US (vapors) ATE US (dust, mist)	1200 mg/kg body weight 7 mg/l/4h
ATE US (dermal) ATE US (vapors) ATE US (dust, mist) 4,6-Dinitro-2-methylphenol (534-52-1)	1200 mg/kg body weight 7 mg/l/4h 7 mg/l/4h
ATE US (dermal) ATE US (vapors) ATE US (dust, mist) 4,6-Dinitro-2-methylphenol (534-52-1) LD50 oral rat	1200 mg/kg body weight 7 mg/l/4h 7 mg/l/4h 7 mg/l/4h 7 – 40 mg/kg (Rat, Oral)
ATE US (dermal) ATE US (vapors) ATE US (dust, mist) 4,6-Dinitro-2-methylphenol (534-52-1) LD50 oral rat ATE US (oral)	1200 mg/kg body weight 7 mg/l/4h 7 mg/l/4h 7 - 40 mg/kg (Rat, Oral) 7 mg/kg body weight
ATE US (dermal) ATE US (vapors) ATE US (dust, mist) 4,6-Dinitro-2-methylphenol (534-52-1) LD50 oral rat ATE US (oral) ATE US (dermal)	1200 mg/kg body weight 7 mg/l/4h 7 mg/l/4h 7 – 40 mg/kg (Rat, Oral) 7 mg/kg body weight 5 mg/kg body weight
ATE US (dermal) ATE US (vapors) ATE US (dust, mist) 4,6-Dinitro-2-methylphenol (534-52-1) LD50 oral rat ATE US (oral) ATE US (dermal) ATE US (gases)	1200 mg/kg body weight 7 mg/l/4h 7 mg/l/4h 7 – 40 mg/kg (Rat, Oral) 7 mg/kg body weight 5 mg/kg body weight 100 ppmV/4h
ATE US (dermal) ATE US (vapors) ATE US (dust, mist) 4,6-Dinitro-2-methylphenol (534-52-1) LD50 oral rat ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (vapors)	1200 mg/kg body weight 7 mg/l/4h 7 mg/l/4h 7 – 40 mg/kg (Rat, Oral) 7 mg/kg body weight 5 mg/kg body weight 100 ppmV/4h 0.5 mg/l/4h
ATE US (dermal) ATE US (vapors) ATE US (dust, mist) 4,6-Dinitro-2-methylphenol (534-52-1) LD50 oral rat ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (vapors) ATE US (dust, mist)	1200 mg/kg body weight 7 mg/l/4h 7 mg/l/4h 7 – 40 mg/kg (Rat, Oral) 7 mg/kg body weight 5 mg/kg body weight 100 ppmV/4h 0.5 mg/l/4h
ATE US (dermal) ATE US (vapors) ATE US (dust, mist) 4,6-Dinitro-2-methylphenol (534-52-1) LD50 oral rat ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (vapors) ATE US (dust, mist) naphthalene (91-20-3)	1200 mg/kg body weight 7 mg/l/4h 7 mg/l/4h 7 – 40 mg/kg (Rat, Oral) 7 mg/kg body weight 5 mg/kg body weight 100 ppmV/4h 0.5 mg/l/4h 0.05 mg/l/4h
ATE US (dermal) ATE US (vapors) ATE US (dust, mist) 4,6-Dinitro-2-methylphenol (534-52-1) LD50 oral rat ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (vapors) ATE US (dust, mist) naphthalene (91-20-3) LD50 oral rat	1200 mg/kg body weight 7 mg/l/4h 7 mg/l/4h 7 – 40 mg/kg (Rat, Oral) 7 mg/kg body weight 5 mg/kg body weight 100 ppmV/4h 0.5 mg/l/4h 0.05 mg/l/4h > 1100 mg/kg (Rat)
ATE US (dermal) ATE US (vapors) ATE US (dust, mist) 4,6-Dinitro-2-methylphenol (534-52-1) LD50 oral rat ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (vapors) ATE US (dust, mist) naphthalene (91-20-3) LD50 oral rat LD50 dermal rat	1200 mg/kg body weight 7 mg/l/4h 7 mg/l/4h 7 – 40 mg/kg (Rat, Oral) 7 mg/kg body weight 5 mg/kg body weight 100 ppmV/4h 0.5 mg/l/4h 0.05 mg/l/4h > 1100 mg/kg (Rat) > 2500 mg/kg (Rat)
ATE US (dermal) ATE US (vapors) ATE US (dust, mist) 4,6-Dinitro-2-methylphenol (534-52-1) LD50 oral rat ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (vapors) ATE US (dust, mist) naphthalene (91-20-3) LD50 oral rat LD50 dermal rat LD50 dermal rabbit	1200 mg/kg body weight 7 mg/l/4h 7 mg/l/4h 7 – 40 mg/kg (Rat, Oral) 7 mg/kg body weight 5 mg/kg body weight 100 ppmV/4h 0.5 mg/l/4h 0.05 mg/l/4h > 1100 mg/kg (Rat) > 2500 mg/kg (Rat) > 20000 mg/kg (Rabbit)
ATE US (dermal) ATE US (vapors) ATE US (dust, mist) 4,6-Dinitro-2-methylphenol (534-52-1) LD50 oral rat ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (vapors) ATE US (dust, mist) naphthalene (91-20-3) LD50 oral rat LD50 dermal rat LD50 dermal rabbit ATE US (oral)	1200 mg/kg body weight 7 mg/l/4h 7 mg/l/4h 7 – 40 mg/kg (Rat, Oral) 7 mg/kg body weight 5 mg/kg body weight 100 ppmV/4h 0.5 mg/l/4h 0.05 mg/l/4h > 1100 mg/kg (Rat) > 2500 mg/kg (Rat) > 20000 mg/kg (Rabbit)
ATE US (dermal) ATE US (vapors) ATE US (dust, mist) 4,6-Dinitro-2-methylphenol (534-52-1) LD50 oral rat ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (vapors) ATE US (dust, mist) naphthalene (91-20-3) LD50 oral rat LD50 dermal rat LD50 dermal rabbit ATE US (oral) nitrobenzene (98-95-3)	1200 mg/kg body weight 7 mg/l/4h 7 mg/l/4h 7 — 40 mg/kg (Rat, Oral) 7 mg/kg body weight 5 mg/kg body weight 100 ppmV/4h 0.5 mg/l/4h 0.05 mg/l/4h > 1100 mg/kg (Rat) > 2500 mg/kg (Rat) > 20000 mg/kg (Rabbit) 500 mg/kg body weight
ATE US (dermal) ATE US (vapors) ATE US (dust, mist) 4,6-Dinitro-2-methylphenol (534-52-1) LD50 oral rat ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (vapors) ATE US (vapors) ATE US (dust, mist) naphthalene (91-20-3) LD50 oral rat LD50 dermal rat LD50 dermal rabbit ATE US (oral) nitrobenzene (98-95-3) LD50 oral rat	1200 mg/kg body weight 7 mg/l/4h 7 mg/l/4h 7 mg/l/4h 7 – 40 mg/kg (Rat, Oral) 7 mg/kg body weight 5 mg/kg body weight 100 ppmV/4h 0.5 mg/l/4h 0.05 mg/l/4h > 1100 mg/kg (Rat) > 2500 mg/kg (Rat) > 20000 mg/kg (Rabbit) 500 mg/kg body weight 640 mg/kg (Rat; Experimental value; 588 mg/kg bodyweight; Rat)
ATE US (dermal) ATE US (vapors) ATE US (dust, mist) 4,6-Dinitro-2-methylphenol (534-52-1) LD50 oral rat ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (vapors) ATE US (dust, mist) naphthalene (91-20-3) LD50 oral rat LD50 dermal rabbit ATE US (oral) nitrobenzene (98-95-3) LD50 oral rat LD50 dermal rat	1200 mg/kg body weight 7 mg/l/4h 7 mg/l/4h 7 mg/l/4h 7 mg/l/4h 7 mg/kg (Rat, Oral) 7 mg/kg body weight 5 mg/kg body weight 100 ppmV/4h 0.5 mg/l/4h 0.05 mg/l/4h > 1100 mg/kg (Rat) > 2500 mg/kg (Rat) > 20000 mg/kg (Rabbit) 500 mg/kg body weight 640 mg/kg (Rat; Experimental value; 588 mg/kg bodyweight; Rat) 760 mg/kg body weight (Rabbit; Experimental value)
ATE US (dermal) ATE US (vapors) ATE US (dust, mist) 4,6-Dinitro-2-methylphenol (534-52-1) LD50 oral rat ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (vapors) ATE US (dust, mist) naphthalene (91-20-3) LD50 oral rat LD50 dermal rat LD50 dermal rabbit ATE US (oral) nitrobenzene (98-95-3) LD50 oral rat LD50 dermal rabbit ATE US (oral)	1200 mg/kg body weight 7 mg/l/4h 7 mg/l/4h 7 mg/l/4h 7 mg/l/4h 7 mg/l/4h 7 mg/kg (Rat, Oral) 7 mg/kg body weight 5 mg/kg body weight 100 ppmV/4h 0.5 mg/l/4h 0.05 mg/l/4h > 1100 mg/kg (Rat) > 2500 mg/kg (Rat) > 20000 mg/kg (Rabbit) 500 mg/kg body weight 640 mg/kg (Rat; Experimental value; 588 mg/kg bodyweight; Rat) 760 mg/kg body weight 100 mg/kg body weight
ATE US (dermal) ATE US (vapors) ATE US (dust, mist) 4,6-Dinitro-2-methylphenol (534-52-1) LD50 oral rat ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (vapors) ATE US (dust, mist) naphthalene (91-20-3) LD50 oral rat LD50 dermal rat LD50 dermal rabbit ATE US (oral) nitrobenzene (98-95-3) LD50 oral rat LD50 dermal rat LD50 dermal rat LD50 (oral)	1200 mg/kg body weight 7 mg/l/4h 7 mg/l/4h 7 mg/l/4h 7 – 40 mg/kg (Rat, Oral) 7 mg/kg body weight 5 mg/kg body weight 100 ppmV/4h 0.5 mg/l/4h 0.05 mg/l/4h > 1100 mg/kg (Rat) > 2500 mg/kg (Rat) > 20000 mg/kg (Rabbit) 500 mg/kg body weight 640 mg/kg (Rat; Experimental value; 588 mg/kg bodyweight; Rat) 760 mg/kg body weight 760 mg/kg body weight

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N-Nitrosodimethylamine (62-75-9)	
N-Nitrosodimethylamine (62-75-9) LD50 oral rat	
LD50 oral rat 37 mg/kg (Rat)	
LC50 Inhalation - Rat	
ATE US (oral) 37 mg/kg body weight	
ATE US (oral) ATE US (gases) 78 ppmV/4h ATE US (vapors) 0.24 mg/l/4h ATE US (dust, mist) 0.24 mg/l/4h N-Nirosodi-n-propylamine (621-64-7) LD50 oral rat 480 mg/kg (Rat) ATE US (oral) 480 mg/kg body weight 2,3,4,5,6-pentachlorophenol (87-86-5) LC50 Inhalation - Rat 355 mg/m³ (Rat, Literature, Inhalation) ATE US (oral) 100 mg/kg body weight ATE US (dermal) ATE US (dermal) 300 mg/kg body weight ATE US (gases) 100 ppmV/4h ATE US (gases) 100 ppmV/4h ATE US (dust, mist) 0.5 mg/l/4h ATE US (dust, mist) 2,4,6-trichlorophenol (88-06-2) LD50 oral rat 820 mg/kg body weight ATE US (oral) 820 mg/kg body weight Methylene Chloride (75-09-2) LD50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experi	
ATE US (gases) 78 ppmV/4h ATE US (vapors) 0.24 mg/l/4h ATE US (dust, mist) 0.24 mg/l/4h N-Nirosodi-n-propylamine (621-64-7) LD50 oral rat 480 mg/kg (Rat) ATE US (oral) 480 mg/kg body weight 2,3,4,5,6-pentachlorophenol (87-86-5) LC50 Inhalation - Rat 355 mg/m³ (Rat, Literature, Inhalation) ATE US (oral) 100 mg/kg body weight ATE US (dermal) 300 mg/kg body weight ATE US (gases) 100 ppmV/4h ATE US (yapors) 0.5 mg/l/4h ATE US (dust, mist) 0.05 mg/l/4h 2,4,6-trichlorophenol (88-06-2) LD50 oral rat 820 mg/kg (Rat, Literature study, Oral) ATE US (oral) 820 mg/kg body weight Methylene Chloride (75-09-2) LD50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experi	
ATE US (vapors) ATE US (dust, mist) 0.24 mg/l/4h N-Nirosodi-n-propylamine (621-64-7) LD50 oral rat 480 mg/kg (Rat) ATE US (oral) 480 mg/kg body weight 2,3,4,5,6-pentachlorophenol (87-86-5) LC50 Inhalation - Rat 355 mg/m³ (Rat, Literature, Inhalation) ATE US (oral) 100 mg/kg body weight ATE US (dermal) 300 mg/kg body weight ATE US (gases) 100 ppmV/4h ATE US (yapors) ATE US (vapors) 0.5 mg/l/4h ATE US (dust, mist) 0.05 mg/l/4h 2,4,6-trichlorophenol (88-06-2) LD50 oral rat 820 mg/kg (Rat, Literature study, Oral) ATE US (oral) 820 mg/kg body weight Methylene Chloride (75-09-2) LD50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experi	
ATE US (dust, mist) 0.24 mg/l/4h N-Nirosodi-n-propylamine (621-64-7) LD50 oral rat 480 mg/kg (Rat) ATE US (oral) 480 mg/kg body weight 2,3,4,5,6-pentachlorophenol (87-86-5) LC50 Inhalation - Rat 355 mg/m³ (Rat, Literature, Inhalation) ATE US (oral) 100 mg/kg body weight ATE US (dermal) 300 mg/kg body weight ATE US (gases) 100 ppmV/4h ATE US (vapors) 0.5 mg/l/4h ATE US (dust, mist) 0.05 mg/l/4h 2,4,6-trichlorophenol (88-06-2) LD50 oral rat 820 mg/kg (Rat, Literature study, Oral) ATE US (oral) 820 mg/kg body weight Methylene Chloride (75-09-2) LD50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Exper	
N-Nirosodi-n-propylamine (621-64-7) LD50 oral rat	
LD50 oral rat 480 mg/kg (Rat) ATE US (oral) 480 mg/kg body weight 2,3,4,5,6-pentachlorophenol (87-86-5) LC50 Inhalation - Rat 355 mg/m³ (Rat, Literature, Inhalation) ATE US (oral) 100 mg/kg body weight ATE US (dermal) 300 mg/kg body weight ATE US (gases) 100 ppmV/4h ATE US (vapors) 0.5 mg/l/4h ATE US (dust, mist) 0.05 mg/l/4h 2,4,6-trichlorophenol (88-06-2) ED50 oral rat 820 mg/kg (Rat, Literature study, Oral) ATE US (oral) 820 mg/kg body weight Methylene Chloride (75-09-2) ED50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experi	
ATE US (oral) 480 mg/kg body weight 2,3,4,5,6-pentachlorophenol (87-86-5) 355 mg/m³ (Rat, Literature, Inhalation) LC50 Inhalation - Rat 355 mg/m³ (Rat, Literature, Inhalation) ATE US (oral) 100 mg/kg body weight ATE US (dermal) 300 mg/kg body weight ATE US (gases) 100 ppmV/4h ATE US (vapors) 0.5 mg/l/4h ATE US (dust, mist) 0.05 mg/l/4h 2,4,6-trichlorophenol (88-06-2) 2000 mg/kg (Rat, Literature study, Oral) ATE US (oral) 820 mg/kg body weight Methylene Chloride (75-09-2) 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experi	
2,3,4,5,6-pentachlorophenol (87-86-5) LC50 Inhalation - Rat 355 mg/m³ (Rat, Literature, Inhalation) ATE US (oral) 100 mg/kg body weight ATE US (dermal) 300 mg/kg body weight ATE US (gases) 100 ppmV/4h ATE US (vapors) 0.5 mg/l/4h ATE US (dust, mist) 0.05 mg/l/4h 2,4,6-trichlorophenol (88-06-2) LD50 oral rat 820 mg/kg (Rat, Literature study, Oral) ATE US (oral) 820 mg/kg body weight Methylene Chloride (75-09-2) LD50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experi	
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ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (yapors) ATE US (vapors) ATE US (dust, mist) 2,4,6-trichlorophenol (88-06-2) LD50 oral rat ATE US (oral) 820 mg/kg (Rat, Literature study, Oral) ATE US (oral) 820 mg/kg body weight Methylene Chloride (75-09-2) LD50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experi	
ATE US (dermal) 300 mg/kg body weight ATE US (gases) 100 ppmV/4h ATE US (vapors) 0.5 mg/l/4h ATE US (dust, mist) 0.05 mg/l/4h 2,4,6-trichlorophenol (88-06-2) LD50 oral rat 820 mg/kg (Rat, Literature study, Oral) ATE US (oral) 820 mg/kg body weight Methylene Chloride (75-09-2) LD50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experi	
ATE US (gases) ATE US (vapors) ATE US (vapors) ATE US (dust, mist) 2,4,6-trichlorophenol (88-06-2) LD50 oral rat 820 mg/kg (Rat, Literature study, Oral) ATE US (oral) 820 mg/kg body weight Methylene Chloride (75-09-2) LD50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experi	
ATE US (vapors) ATE US (dust, mist) 2,4,6-trichlorophenol (88-06-2) LD50 oral rat 820 mg/kg (Rat, Literature study, Oral) ATE US (oral) 820 mg/kg body weight Methylene Chloride (75-09-2) LD50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experi	
ATE US (dust, mist) 2,4,6-trichlorophenol (88-06-2) LD50 oral rat ATE US (oral) 820 mg/kg (Rat, Literature study, Oral) 820 mg/kg body weight Methylene Chloride (75-09-2) LD50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experi	
2,4,6-trichlorophenol (88-06-2) LD50 oral rat 820 mg/kg (Rat, Literature study, Oral) ATE US (oral) 820 mg/kg body weight Methylene Chloride (75-09-2) LD50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experi	
LD50 oral rat 820 mg/kg (Rat, Literature study, Oral) 820 mg/kg body weight Methylene Chloride (75-09-2) LD50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experi	
ATE US (oral) 820 mg/kg body weight Methylene Chloride (75-09-2) LD50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experi	
Methylene Chloride (75-09-2) LD50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experi	
LD50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experi	
LD50 dermal rat > 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / femal Experimental value, Dermal)	e,
Skin corrosion/irritation : Not classified	
Serious eye damage/irritation : Not classified	
Respiratory or skin sensitization : May cause an allergic skin reaction.	
Germ cell mutagenicity : May cause genetic defects.	
Based on available data, the classification criteria are not met	
Carcinogenicity : May cause cancer.	
azobenzene (103-33-3)	
IARC group 3 - Not classifiable	
benzidine (92-87-5)	
IARC group 1 - Carcinogenic to humans	
National Toxicology Program (NTP) Status Known Human Carcinogens	
benzo[a]anthracene (56-55-3)	
National Toxicology Program (NTP) Status Reasonably anticipated to be Human Carcinogen	
benzo[a]pyrene (50-32-8)	
National Toxicology Program (NTP) Status Reasonably anticipated to be Human Carcinogen	
Benzo(b)fluoranthene (205-99-2)	
National Toxicology Program (NTP) Status Reasonably anticipated to be Human Carcinogen	
benzo[k]fluoranthene (207-08-9) National Tayloglany Program (NTP) Status Program to be Human Carcinogen	
National Toxicology Program (NTP) Status Reasonably anticipated to be Human Carcinogen	
bis(2-chloroethyl) ether (111-44-4)	
IARC group 3 - Not classifiable	
Bis(2-ethylhexyl) phthalate (117-81-7)	
National Toxicology Program (NTP) Status Reasonably anticipated to be Human Carcinogen	

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4-chloroaniline (106-47-8)		
IARC group	2B - Possibly carcinogenic to humans	
dibenz(a,h)anthracene (53-70-3)		
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen	
1,4-dichlorobenzene (106-46-7)		
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen	
3,3'-dichlorobenzidine (91-94-1)	7 1	
IARC group	2B - Possibly carcinogenic to humans	
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen	
2,4-dinitrotoluene (121-14-2)		
IARC group	2B - Possibly carcinogenic to humans	
2,6-dinitrotoluene (606-20-2)		
IARC group	2B - Possibly carcinogenic to humans	
hexachlorobenzene (118-74-1)		
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen	
hexachloroethane (67-72-1)		
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen	
indeno(1,2,3-cd)pyrene (193-39-5)	Treasonably anticipated to be trained out on egen	
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen	
Hadding Toxioology Frogram (FFFF) Status	Treasonably anticipated to be trained outsinegen	
naphthalene (91-20-3)		
IARC group	2B - Possibly carcinogenic to humans	
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen	
nitrobenzene (98-95-3)		
IARC group	2B - Possibly carcinogenic to humans	
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen	
N-Nitrosodimethylamine (62-75-9)		
IARC group	2A - Probably carcinogenic to humans	
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen	
N-Nirosodi-n-propylamine (621-64-7)		
IARC group	2B - Possibly carcinogenic to humans Reasonably anticipated to be Human Carcinogen	
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen	
2,3,4,5,6-pentachlorophenol (87-86-5)	December of the test to be the continue of	
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen	
2,4,6-trichlorophenol (88-06-2)		
IARC group	2B - Possibly carcinogenic to humans	
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen	
Methylene Chloride (75-09-2)	24 Drahahly carainaganis ta humana	
National Tayloglogy Program (NTP) Status	2A - Probably carcinogenic to humans	
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen . May damage fortility or the upperp child	
Reproductive toxicity	: May damage fertility or the unborn child. Based on available data, the classification criteria are not met	
STOT-single exposure	: Not classified	
2. 2. Single expectate		

STOT-repeated exposure : Not classified

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Aspiration hazard : Not classified

Potential Adverse human health effects and

symptoms

: Based on available data, the classification criteria are not met.

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

SECTION 12: Ecological information

12.1. Toxicity

azobenzene (103-33-3)	
LC50 fish 1	< 1 mg/l (Pisces)
benzidine (92-87-5)	
LC50 fish 1	7.4 mg/l (96 h, Salmo gairdneri, Static system)
EC50 Daphnia 1	0.6 mg/l (48 h, Daphnia magna)
benzo[a]anthracene (56-55-3)	
LC50 fish 1	0.0018 mg/l (65 h, Pimephales promelas, Lethal)
EC50 Daphnia 1	0.01 mg/l (96 h, Daphnia pulex, Static system)
benzo[a]pyrene (50-32-8)	
LC50 fish 1	0.0056 mg/l (38 h, Pimephales promelas, Lethal)
bis(2-chloroethyl) ether (111-44-4)	
LC50 fish 1	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oryzias latipes, Semi-static system,
2000 11311 1	Fresh water, Experimental value, GLP)
EC50 Daphnia 1	414 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semistatic system, Fresh water, Experimental value, GLP)
ErC50 (algae)	> 79.44 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
4-chloroaniline (106-47-8)	
LC50 fish 1	2.4 mg/l (Other, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value)
4-chloro-3-methylphenol (59-50-7)	
LC50 fish 1	3.71 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Poecilia reticulata, Semi-static system, Fresh water, Experimental value)
EC50 Daphnia 1	1.5 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
1,4-dichlorobenzene (106-46-7)	
LC50 fish 1	1.12 mg/l (96 h, Salmo gairdneri, Flow-through system)
EC50 Daphnia 1	0.7 mg/l (48 h, Daphnia magna, Measured concentration)
3,3'-dichlorobenzidine (91-94-1)	
LC50 fish 1	0.5 mg/l (96 h, Lepomis macrochirus)
2,6-dinitrotoluene (606-20-2)	40 F FO world (OO b Pirrough also many also)
LC50 fish 1	18.5 – 50 mg/l (96 h, Pimephales promelas)
EC50 Daphnia 1	21.7 mg/l (48 h, Daphnia magna, Static system)
hexachlorobenzene (118-74-1)	0.0 (1/00) 0.1 (1.1)
LC50 fish 1	2.3 mg/l (96 h, Salmo gairdneri)
EC50 Daphnia 1	> 0.03 mg/l (24 h, Daphnia magna)
hexachlorobuta-1,3-diene (87-68-3	
LC50 fish 1	0.25 mg/l (96 h, Salmo gairdneri)
EC50 other aquatic organisms 1	0.21 mg/l (96 h, Lymnaea sp.)
hexachloroethane (67-72-1)	
LC50 fish 1	0.84 mg/l (96 h, Salmo gairdneri)

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hexachloroethane (67-72-1)	
EC50 Daphnia 1	1.4 mg/l (Daphnia magna)
isophorone (78-59-1)	
LC50 fish 1	228 mg/l (Other, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 Daphnia 1	254 mg/l (DIN 38412-11, 24 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration)
4,6-Dinitro-2-methylphenol (534-52-1)	
LC50 fish 1	0.066 mg/l (96 h, Salmo gairdneri, Literature study)
EC50 Daphnia 1	0.145 mg/l (48 h, Daphnia magna, Literature study)
naphthalene (91-20-3)	
EC50 Daphnia 1	2.16 mg/l (EC50; 48 h; Daphnia magna)
LC50 fish 2	0.11 mg/l (LC50; 96 h; Oncorhynchus mykiss)
Threshold limit algae 1	0.4 mg/l (EC50; 72 h; Skeletonema costatum)
nitrobenzene (98-95-3)	
LC50 fish 1	4.3 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 48 h; Oryzias latipes)
EC50 Daphnia 1	35 mg/l (Other, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
2,3,4,5,6-pentachlorophenol (87-86-5)	
LC50 fish 1	0.052 mg/l (96 h, Salmo gairdneri)
EC50 Daphnia 1	0.01 – 0.36 mg/l (48 h, Daphnia magna)
2,4,6-trichlorophenol (88-06-2)	
LC50 fish 1	0.73 mg/l (96 h, Salmo gairdneri, Literature study)
EC50 Daphnia 1	0.69 mg/l (48 h, Daphnia magna, Literature study)
Methylene Chloride (75-09-2)	
LC50 fish 1	193 mg/l (96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)
EC50 Daphnia 1	168.2 mg/l (48 h, Daphnia magna)
12.2. Persistence and degradability	
Custom 8270 w Surrogates Mix	
Persistence and degradability	Not established.
atrazine (1912-24-9)	
Persistence and degradability	Biodegradability in soil: no data available. Not readily biodegradable in water.
azobenzene (103-33-3)	
Persistence and degradability	Not readily biodegradable in water.
benzidine (92-87-5)	
Persistence and degradability	Non degradable in the soil. Not readily biodegradable in water.
benzo[a]anthracene (56-55-3)	
Persistence and degradability	Biodegradability in soil: no data available. Inhibits biodegradation processes in the soil. Not readily biodegradable in water.
ThOD	2.95 g O₂/g substance
benzo[a]pyrene (50-32-8)	
Persistence and degradability	Biodegradable in the soil. Not readily biodegradable in water.
Chemical oxygen demand (COD)	2.92 g O₂/g substance
ThOD	2.92 g O ₂ /g substance
Benzo(b)fluoranthene (205-99-2)	2.92 y O2y substance
Persistence and degradability	Non degradable in the soil. Not readily biodegradable in water.
ThOD	2.92 g O₂/g substance
honzolkiffuoranthana (207.09.0)	
benzo[k]fluoranthene (207-08-9) Persistence and degradability	Non degradable in the soil. Not readily biodegradable in water.
ThOD	2.92 g O ₂ /g substance
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his(2-chloroothyl) other (444, 44, 4)	
bis(2-chloroethyl) ether (111-44-4) Persistence and degradability	Not readily biodegradable in water.
Bis(2-ethylhexyl) phthalate (117-81-7)	Not roughly bloadgradable in water.
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
4-chloroaniline (106-47-8)	Bloady, addition in the contribution in the co
Persistence and degradability	Non degradable in the soil. Inherently biodegradable. Not readily biodegradable in water.
4-chloro-3-methylphenol (59-50-7)	Non-degradable in the cont. Innerently bloadgradable. Not readily bloadgradable in water.
Persistence and degradability	Biodegradable in the soil. Not readily biodegradable in water. Inherently biodegradable.
Chemical oxygen demand (COD)	1.5 – 1.8 g O₂/g substance
	1.3 – 1.0 g Ozig substance
chrysene (218-01-9)	Non-dependents in the pail. Not wealth, his dependents in costs
Persistence and degradability	Non degradable in the soil. Not readily biodegradable in water.
dibenz(a,h)anthracene (53-70-3)	Many de mandelle in the coult Net mandible in another in contrar
Persistence and degradability	Non degradable in the soil. Not readily biodegradable in water.
1,4-dichlorobenzene (106-46-7)	N. J.
Persistence and degradability	Non degradable in the soil. Readily biodegradable in water.
ThOD	1.52 g O₂/g substance
BOD (% of ThOD)	0.65 (Calculated value)
3,3'-dichlorobenzidine (91-94-1)	
Persistence and degradability	Inherently biodegradable. Not readily biodegradable in water.
2,4-dinitrotoluene (121-14-2)	
Persistence and degradability	Not readily biodegradable in water.
Chemical oxygen demand (COD)	1.6 g O ₂ /g substance
2,6-dinitrotoluene (606-20-2)	
Persistence and degradability	Not readily biodegradable in water.
hexachlorobenzene (118-74-1)	
Persistence and degradability	Non degradable in the soil. Not readily biodegradable in water. Not easily biodegradable in water in anaerobic conditions.
hexachlorobuta-1,3-diene (87-68-3)	
Persistence and degradability	Biodegradability in soil: no data available. Readily biodegradable in water.
hexachloroethane (67-72-1)	
Persistence and degradability	Readily biodegradable in water.
indeno(1,2,3-cd)pyrene (193-39-5)	
Persistence and degradability	Non degradable in the soil. Not readily biodegradable in water.
ThOD	2.9 g O₂/g substance
isophorone (78-59-1)	
Persistence and degradability	Readily biodegradable in water.
ThOD	2.78 g O₂/g substance
4.6-Dinitro-2-methylphenol (534-52-1)	
Persistence and degradability	Not readily biodegradable in water.
naphthalene (91-20-3)	
Persistence and degradability	Readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Adsorbs into the soil. Photolysis in the air.
Biochemical oxygen demand (BOD)	0 g O ₂ /g substance
Chemical oxygen demand (COD)	0.22 g O₂/g substance
ThOD	2.99 g O₂/g substance
nitrobenzene (98-95-3)	
Persistence and degradability	Not readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.

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nitrobenzene (98-95-3)	
Biochemical oxygen demand (BOD)	0 g O₂/g substance
ThOD	1.95 g O₂/g substance
BOD (% of ThOD)	0
N-Nitrosodimethylamine (62-75-9)	Network the blade medicible in contact Dhetabatic in contact Dhetabatic in the circ
Persistence and degradability	Not readily biodegradable in water. Photolysis in water. Photolysis in the air.
2,3,4,5,6-pentachlorophenol (87-86-5)	
Persistence and degradability	Non degradable in the soil. Not readily biodegradable in water.
2,4,6-trichlorophenol (88-06-2)	
Persistence and degradability	Readily biodegradable in the soil. Readily biodegradable in water.
Methylene Chloride (75-09-2)	
Persistence and degradability	Biodegradable in the soil. Not readily biodegradable in water.
12.3. Bioaccumulative potential	
Custom 8270 w Surrogates Mix	
Bioaccumulative potential	Not established.
·	Trot octubilities.
atrazine (1912-24-9) BCF fish 1	3 – 4 (Cyprinus carpio)
BCF fish 2	3 – 10 (Pisces)
BCF other aquatic organisms 1	52 (24 h, Chlorella sp.)
BCF other aquatic organisms 2	10 – 83 (Algae)
Partition coefficient n-octanol/water (Log Pow)	2.64
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
	Zen peteritati iei biedecamatati (Bei 1600).
azobenzene (103-33-3) Partition coefficient n-octanol/water (Log Pow)	3.82
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
·	Low potential for bloaccumulation (Log Now < 4).
benzidine (92-87-5)	FF (O and only a fferia)
BCF fish 1	55 (Gambusia affinis)
BCF fish 2	38 – 42 (908 h, Lepomis macrochirus, Muscles)
BCF other aquatic organisms 1 BCF other aquatic organisms 2	2512 (Chlorophyta) 293 (Daphnia magna)
Partition coefficient n-octanol/water (Log Pow)	1.34 – 1.81
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
·	Low potential for biodocantal attorn (Bot 1,000).
benzo[a]anthracene (56-55-3) BCF fish 1	350 (72 h, Leuciscus idus)
BCF other aquatic organisms 1	1106 (24 h, Daphnia pulex)
BCF other aquatic organisms 2	18000 (192 h, Crassostrea sp.)
Partition coefficient n-octanol/water (Log Pow)	5.61 – 5.79
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).
benzo[a]pyrene (50-32-8) BCF fish 1	480 (72 h, Leuciscus idus)
BCF fish 2	70.7 (168 h, Salmo salar, Eggs)
BCF itsi12 BCF other aquatic organisms 1	3000 (192 h, Crassostrea sp.)
BCF other aquatic organisms 2	1.5 (24 h, Daphnia magna)
Partition coefficient n-octanol/water (Log Pow)	5.97 – 6.06
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).
·	
Benzo(b)fluoranthene (205-99-2) BCF other aquatic organisms 1	2800 (168 h, Lamellibranchiata)
Partition coefficient n-octanol/water (Log Pow)	6.57
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).
·	1.13. Personal for brodoodiffallation (Eog from 1.10).
benzo[k]fluoranthene (207-08-9) BCF fish 1	8750 (Pisces, QSAR)
DOI HOLL I	0100 (1 13003, QOMN)

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benzo[k]fluoranthene (207-08-9)		
BCF other aquatic organisms 1	0.0013 mg/kg (Algae, Dry weight)	
BCF other aquatic organisms 2	37000 (Mytilus edulis)	
Partition coefficient n-octanol/water (Log Pow)	6.84	
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).	
·	riigii potential foi bioaccumulation (Boi 7 3000).	
bis(2-chloroethyl) ether (111-44-4)	14 Illia (Equivalent or similar to OECD 20E 14 day/a) Lanamia magraphirus Cami atatia	
BCF fish 1	11 l/kg (Equivalent or similar to OECD 305, 14 day(s), Lepomis macrochirus, Semi-static system, Fresh water, Experimental value)	
Partition coefficient n-octanol/water (Log Pow)	1.12 (Experimental value, Equivalent or similar to OECD 107, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
Bis(2-ethylhexyl) phthalate (117-81-7)		
BCF fish 1	155 – 886 (56 day(s), Pimephales promelas, Literature study)	
Partition coefficient n-octanol/water (Log Pow)	7.68 (Experimental value, Other)	
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).	
4-chloroaniline (106-47-8)		
BCF fish 1	0.8 – 1.7 (336 h, Cyprinus carpio, Literature study)	
BCF other aquatic organisms 1	260 (24 h, Chlorella fusca, Static system, Fresh water, Experimental value, Fresh weight)	
Partition coefficient n-octanol/water (Log Pow)	1.87 (Experimental value, Equivalent or similar to OECD 117)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
4-chloro-3-methylphenol (59-50-7)		
BCF fish 1	5.5 – 13 (Cyprinus carpio, Test duration: 6 weeks)	
Partition coefficient n-octanol/water (Log Pow)	2.78 – 3.1	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
chrysene (218-01-9)		
BCF other aquatic organisms 1	4440 (180 day(s), Lamellibranchiata, Literature study, Chronic)	
Partition coefficient n-octanol/water (Log Pow)	5.81 – 5.86 (Experimental value)	
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).	
dibenz(a,h)anthracene (53-70-3)		
Partition coefficient n-octanol/water (Log Pow)	5.97 – 6.84	
1,4-dichlorobenzene (106-46-7)		
BCF fish 1	214 - 720 (Salmo gairdneri, Chronic)	
BCF fish 1 Partition coefficient n-octanol/water (Log Pow)	214 – 720 (Salmo gairdneri, Chronic) 3.39 – 3.62 (Experimental value)	
Partition coefficient n-octanol/water (Log Pow)	3.39 – 3.62 (Experimental value)	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential		
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1)	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000).	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus)	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1 BCF fish 2	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus) 43 – 213 (Cyprinus carpio, Test duration: 8 weeks)	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus) 43 – 213 (Cyprinus carpio, Test duration: 8 weeks) 940 (Algae)	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow)	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus) 43 – 213 (Cyprinus carpio, Test duration: 8 weeks)	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus) 43 – 213 (Cyprinus carpio, Test duration: 8 weeks) 940 (Algae) 3.02 – 3.78 (Literature study)	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,4-dinitrotoluene (121-14-2)	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus) 43 – 213 (Cyprinus carpio, Test duration: 8 weeks) 940 (Algae) 3.02 – 3.78 (Literature study) Potential for bioaccumulation (500 ≤ BCF ≤ 5000).	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,4-dinitrotoluene (121-14-2) BCF fish 1	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus) 43 – 213 (Cyprinus carpio, Test duration: 8 weeks) 940 (Algae) 3.02 – 3.78 (Literature study) Potential for bioaccumulation (500 ≤ BCF ≤ 5000).	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,4-dinitrotoluene (121-14-2) BCF fish 1 BCF fish 2	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus) 43 – 213 (Cyprinus carpio, Test duration: 8 weeks) 940 (Algae) 3.02 – 3.78 (Literature study) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 102.8 (336 h, Lepomis macrochirus) 16 – 204 (Poecilia reticulata)	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,4-dinitrotoluene (121-14-2) BCF fish 1	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus) 43 – 213 (Cyprinus carpio, Test duration: 8 weeks) 940 (Algae) 3.02 – 3.78 (Literature study) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 102.8 (336 h, Lepomis macrochirus) 16 – 204 (Poecilia reticulata) 13 (96 h, Daphnia magna)	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,4-dinitrotoluene (121-14-2) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus) 43 – 213 (Cyprinus carpio, Test duration: 8 weeks) 940 (Algae) 3.02 – 3.78 (Literature study) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 102.8 (336 h, Lepomis macrochirus) 16 – 204 (Poecilia reticulata)	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,4-dinitrotoluene (121-14-2) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 BCF other aquatic organisms 1	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus) 43 – 213 (Cyprinus carpio, Test duration: 8 weeks) 940 (Algae) 3.02 – 3.78 (Literature study) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 102.8 (336 h, Lepomis macrochirus) 16 – 204 (Poecilia reticulata) 13 (96 h, Daphnia magna) 58 (96 h, Annelida)	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,4-dinitrotoluene (121-14-2) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 BCF other aquatic organisms 1 BCF other aquatic organisms 2 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus) 43 – 213 (Cyprinus carpio, Test duration: 8 weeks) 940 (Algae) 3.02 – 3.78 (Literature study) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 102.8 (336 h, Lepomis macrochirus) 16 – 204 (Poecilia reticulata) 13 (96 h, Daphnia magna) 58 (96 h, Annelida) 1.98 – 2.8	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,4-dinitrotoluene (121-14-2) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 BCF other aquatic organisms 2 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,6-dinitrotoluene (606-20-2)	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus) 43 – 213 (Cyprinus carpio, Test duration: 8 weeks) 940 (Algae) 3.02 – 3.78 (Literature study) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 102.8 (336 h, Lepomis macrochirus) 16 – 204 (Poecilia reticulata) 13 (96 h, Daphnia magna) 58 (96 h, Annelida) 1.98 – 2.8 Low potential for bioaccumulation (BCF < 500).	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,4-dinitrotoluene (121-14-2) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 BCF other aquatic organisms 1 BCF other aquatic organisms 2 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,6-dinitrotoluene (606-20-2) BCF fish 1	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus) 43 – 213 (Cyprinus carpio, Test duration: 8 weeks) 940 (Algae) 3.02 – 3.78 (Literature study) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 102.8 (336 h, Lepomis macrochirus) 16 – 204 (Poecilia reticulata) 13 (96 h, Daphnia magna) 58 (96 h, Annelida) 1.98 – 2.8 Low potential for bioaccumulation (BCF < 500).	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,4-dinitrotoluene (121-14-2) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 BCF other aquatic organisms 2 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,6-dinitrotoluene (606-20-2) BCF fish 1 BCF other aquatic organisms 1	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus) 43 – 213 (Cyprinus carpio, Test duration: 8 weeks) 940 (Algae) 3.02 – 3.78 (Literature study) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 102.8 (336 h, Lepomis macrochirus) 16 – 204 (Poecilia reticulata) 13 (96 h, Daphnia magna) 58 (96 h, Annelida) 1.98 – 2.8 Low potential for bioaccumulation (BCF < 500).	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,4-dinitrotoluene (121-14-2) BCF fish 1 BCF other aquatic organisms 1 BCF other aquatic organisms 2 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,6-dinitrotoluene (606-20-2) BCF fish 1 BCF other aquatic organisms 1	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus) 43 – 213 (Cyprinus carpio, Test duration: 8 weeks) 940 (Algae) 3.02 – 3.78 (Literature study) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 102.8 (336 h, Lepomis macrochirus) 16 – 204 (Poecilia reticulata) 13 (96 h, Daphnia magna) 58 (96 h, Annelida) 1.98 – 2.8 Low potential for bioaccumulation (BCF < 500).	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,4-dinitrotoluene (121-14-2) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 BCF other aquatic organisms 2 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,6-dinitrotoluene (606-20-2) BCF fish 1 BCF other aquatic organisms 1 PCF other aquatic organisms 1 PCF other aquatic organisms 1 PARTITION COEfficient n-octanol/water (Log Pow) Bioaccumulative potential	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus) 43 – 213 (Cyprinus carpio, Test duration: 8 weeks) 940 (Algae) 3.02 – 3.78 (Literature study) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 102.8 (336 h, Lepomis macrochirus) 16 – 204 (Poecilia reticulata) 13 (96 h, Daphnia magna) 58 (96 h, Annelida) 1.98 – 2.8 Low potential for bioaccumulation (BCF < 500).	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 3,3'-dichlorobenzidine (91-94-1) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,4-dinitrotoluene (121-14-2) BCF fish 1 BCF other aquatic organisms 1 BCF other aquatic organisms 2 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,6-dinitrotoluene (606-20-2) BCF fish 1 BCF other aquatic organisms 1	3.39 – 3.62 (Experimental value) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 507 (168 h, Lepomis macrochirus) 43 – 213 (Cyprinus carpio, Test duration: 8 weeks) 940 (Algae) 3.02 – 3.78 (Literature study) Potential for bioaccumulation (500 ≤ BCF ≤ 5000). 102.8 (336 h, Lepomis macrochirus) 16 – 204 (Poecilia reticulata) 13 (96 h, Daphnia magna) 58 (96 h, Annelida) 1.98 – 2.8 Low potential for bioaccumulation (BCF < 500).	

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hexachlorobenzene (118-74-1)	
BCF fish 2	30000 (Cyprinus carpio, Test duration: 8 weeks)
BCF other aquatic organisms 1	25000 (Algae)
BCF other aquatic organisms 2	1130 (720 h, Daphnia magna)
Partition coefficient n-octanol/water (Log Pow)	5.73 – 6.39 (Experimental value)
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).
hexachlorobuta-1,3-diene (87-68-3)	
BCF fish 1	17000 (Salmo gairdneri)
BCF fish 2	7000 (Pleuronectes platessa, Flow-through system)
BCF other aquatic organisms 1	45.36 (Procambarus sp., Flow-through system)
BCF other aquatic organisms 2	3000 (Mytilus edulis, Flow-through system)
Partition coefficient n-octanol/water (Log Pow)	3.74 – 4.9
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).
hexachloroethane (67-72-1)	(* ****)
BCF fish 1	1200 (Salmo gairdneri)
BCF fish 2	756 mg/l (768 h, Pimephales promelas)
	3.34 – 4.62
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential	
<u>'</u>	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).
indeno(1,2,3-cd)pyrene (193-39-5)	T
BCF other aquatic organisms 1	10000 (240 h, Amphipoda)
Partition coefficient n-octanol/water (Log Pow)	6.6 – 7.7
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).
isophorone (78-59-1)	
BCF fish 1	7 (Other, 14 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	1.67 (Experimental value, Equivalent or similar to OECD 107, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
4,6-Dinitro-2-methylphenol (534-52-1)	
BCF fish 1	0.3 – 2.9 (6 week(s), Cyprinus carpio, Literature study)
Partition coefficient n-octanol/water (Log Pow)	2.12 – 3.1 (Literature study)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
nanhthalana (91-20-3)	
naphthalene (91-20-3)	23 – 168 (RCF: 8 weeks: Cyprinus carnio)
BCF fish 1	23 – 168 (BCF; 8 weeks; Cyprinus carpio)
BCF fish 1 Partition coefficient n-octanol/water (Log Pow)	3.3 (Experimental value)
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential	, , ,
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3)	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500).
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3) BCF fish 1	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500). 15 (BCF; 672 h)
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3) BCF fish 1 BCF fish 2	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500). 15 (BCF; 672 h) 1.6 – 7.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value)
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500). 15 (BCF; 672 h) 1.6 – 7.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value) 24 (BCF)
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow)	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500). 15 (BCF; 672 h) 1.6 - 7.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value) 24 (BCF) 1.85 (Calculated; 1.86; Experimental value; EU Method A.8: Partition Coefficient)
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500). 15 (BCF; 672 h) 1.6 – 7.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value) 24 (BCF)
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nitrosodimethylamine (62-75-9)	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500). 15 (BCF; 672 h) 1.6 - 7.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value) 24 (BCF) 1.85 (Calculated; 1.86; Experimental value; EU Method A.8: Partition Coefficient)
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500). 15 (BCF; 672 h) 1.6 - 7.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value) 24 (BCF) 1.85 (Calculated; 1.86; Experimental value; EU Method A.8: Partition Coefficient) Low potential for bioaccumulation (BCF < 500).
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nitrosodimethylamine (62-75-9)	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500). 15 (BCF; 672 h) 1.6 - 7.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value) 24 (BCF) 1.85 (Calculated; 1.86; Experimental value; EU Method A.8: Partition Coefficient) Low potential for bioaccumulation (BCF < 500).
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nitrosodimethylamine (62-75-9) Partition coefficient n-octanol/water (Log Pow)	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500). 15 (BCF; 672 h) 1.6 - 7.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value) 24 (BCF) 1.85 (Calculated; 1.86; Experimental value; EU Method A.8: Partition Coefficient) Low potential for bioaccumulation (BCF < 500).
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nitrosodimethylamine (62-75-9) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500). 15 (BCF; 672 h) 1.6 - 7.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value) 24 (BCF) 1.85 (Calculated; 1.86; Experimental value; EU Method A.8: Partition Coefficient) Low potential for bioaccumulation (BCF < 500).
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nitrosodimethylamine (62-75-9) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nirosodi-n-propylamine (621-64-7)	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500). 15 (BCF; 672 h) 1.6 – 7.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value) 24 (BCF) 1.85 (Calculated; 1.86; Experimental value; EU Method A.8: Partition Coefficient) Low potential for bioaccumulation (BCF < 500). -0.77 – -0.57 Bioaccumulation: not applicable.
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nitrosodimethylamine (62-75-9) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nirosodi-n-propylamine (621-64-7) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500). 15 (BCF; 672 h) 1.6 - 7.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value) 24 (BCF) 1.85 (Calculated; 1.86; Experimental value; EU Method A.8: Partition Coefficient) Low potential for bioaccumulation (BCF < 500). -0.770.57 Bioaccumulation: not applicable.
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nitrosodimethylamine (62-75-9) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nirosodin-propylamine (621-64-7) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,3,4,5,6-pentachlorophenol (87-86-5)	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500). 15 (BCF; 672 h) 1.6 – 7.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value) 24 (BCF) 1.85 (Calculated; 1.86; Experimental value; EU Method A.8: Partition Coefficient) Low potential for bioaccumulation (BCF < 500). -0.77 – -0.57 Bioaccumulation: not applicable. 1.31 – 1.36 Low potential for bioaccumulation (Log Kow < 4).
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nitrosodimethylamine (62-75-9) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nirosodi-n-propylamine (621-64-7) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500). 15 (BCF; 672 h) 1.6 – 7.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value) 24 (BCF) 1.85 (Calculated; 1.86; Experimental value; EU Method A.8: Partition Coefficient) Low potential for bioaccumulation (BCF < 500). 1.31 – 1.36 Low potential for bioaccumulation (Log Kow < 4).
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nitrosodimethylamine (62-75-9) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nirosodin-propylamine (621-64-7) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,3,4,5,6-pentachlorophenol (87-86-5) BCF fish 1 BCF fish 2	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500). 15 (BCF; 672 h) 1.6 - 7.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value) 24 (BCF) 1.85 (Calculated; 1.86; Experimental value; EU Method A.8: Partition Coefficient) Low potential for bioaccumulation (BCF < 500). -0.770.57 Bioaccumulation: not applicable. 1.31 - 1.36 Low potential for bioaccumulation (Log Kow < 4). 770 (768 h, Pimephales promelas) 39 - 224 (Cyprinus carpio, Test duration: 8 weeks)
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nitrosodimethylamine (62-75-9) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nirosodi-n-propylamine (621-64-7) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,3,4,5,6-pentachlorophenol (87-86-5) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500). 15 (BCF; 672 h) 1.6 - 7.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value) 24 (BCF) 1.85 (Calculated; 1.86; Experimental value; EU Method A.8: Partition Coefficient) Low potential for bioaccumulation (BCF < 500). -0.770.57 Bioaccumulation: not applicable. 1.31 - 1.36 Low potential for bioaccumulation (Log Kow < 4). 770 (768 h, Pimephales promelas) 39 - 224 (Cyprinus carpio, Test duration: 8 weeks) 1250 (Algae)
BCF fish 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential nitrobenzene (98-95-3) BCF fish 1 BCF fish 2 BCF other aquatic organisms 1 Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nitrosodimethylamine (62-75-9) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential N-Nirosodi-n-propylamine (621-64-7) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential 2,3,4,5,6-pentachlorophenol (87-86-5) BCF fish 1 BCF fish 2	3.3 (Experimental value) Low potential for bioaccumulation (BCF < 500). 15 (BCF; 672 h) 1.6 - 7.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value) 24 (BCF) 1.85 (Calculated; 1.86; Experimental value; EU Method A.8: Partition Coefficient) Low potential for bioaccumulation (BCF < 500). -0.770.57 Bioaccumulation: not applicable. 1.31 - 1.36 Low potential for bioaccumulation (Log Kow < 4). 770 (768 h, Pimephales promelas) 39 - 224 (Cyprinus carpio, Test duration: 8 weeks)

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2,4,6-trichlorophenol (88-06-2)	
BCF fish 1	12130 (36 day(s), Poecilia reticulata, Literature study)
Partition coefficient n-octanol/water (Log Pow)	3.4 – 4.05 (Literature)
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).
·	Tright potential for broadcarrianation (Both Coood).
Methylene Chloride (75-09-2) BCF fish 1	2 – 40 (OECD 305: Bioconcentration: Flow-Through Fish Test, 6 week(s), Cyprinus carpio,
DOI HSH I	Semi-static system, Fresh water, Experimental value, GLP)
Partition coefficient n-octanol/water (Log Pow)	1.25 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
12.4. Mobility in soil	
atrazine (1912-24-9)	
Ecology - soil	Toxic to flora. Not toxic to bees.
	Toxic to liota. Not toxic to bees.
azobenzene (103-33-3)	No (test) data an mobility of the substance evallable. May be harreful to plant growth, blooming
Ecology - soil	No (test)data on mobility of the substance available. May be harmful to plant growth, blooming and fruit formation.
benzidine (92-87-5)	
Ecology - soil	Adsorbs into the soil.
benzo[a]anthracene (56-55-3)	
Ecology - soil	Adsorbs into the soil.
benzo[a]pyrene (50-32-8)	
Ecology - soil	Adsorbs into the soil.
Benzo(b)fluoranthene (205-99-2)	
Ecology - soil	Adsorbs into the soil.
	7 Addelbe into the con.
benzo[k]fluoranthene (207-08-9) Ecology - soil	Adsorbs into the soil.
••	Adsorbs into the soil.
bis(2-chloroethyl) ether (111-44-4)	0.000 N/w (40.90)
Surface tension	0.038 N/m (19 °C) 1.88 (log Koc, Experimental value)
Partition coefficient n-octanol/water (Log Koc) Ecology - soil	Highly mobile in soil.
	Tilgrily Hobile in Soil.
Bis(2-ethylhexyl) phthalate (117-81-7)	0.022 N/m /20 °C)
Surface tension Partition coefficient n-octanol/water (Log Koc)	0.032 N/m (20 °C) 5.2 (log Koc, Calculated value)
Ecology - soil	Adsorbs into the soil. Low potential for mobility in soil.
	Adsorbs into the soil. Low potential for mobility in soil.
4-chloroaniline (106-47-8)	No (toet)data on mobility of the substance available. Soil contaminant
Ecology - soil	No (test)data on mobility of the substance available. Soil contaminant.
4-chloro-3-methylphenol (59-50-7)	N. C. P. LL / P.N.
Surface tension	Not applicable (solid)
Partition coefficient n-octanol/water (Log Koc)	2.69 (log Koc)
Ecology - soil	Low potential for adsorption in soil.
chrysene (218-01-9)	A decade a interstitute and in
Ecology - soil	Adsorbs into the soil.
dibenz(a,h)anthracene (53-70-3)	
Ecology - soil	Adsorbs into the soil.
1,4-dichlorobenzene (106-46-7)	
Surface tension	0.03 N/m (55 °C)
Ecology - soil	Adsorbs into the soil.
2,4-dinitrotoluene (121-14-2)	
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.
hexachlorobenzene (118-74-1)	
Ecology - soil	Adsorbs into the soil. Not toxic to bees.
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hexachlorobuta-1,3-diene (87-68-3)		
Ecology - soil	Soil contaminant.	
indeno(1,2,3-cd)pyrene (193-39-5)		
Ecology - soil	Adsorbs into the soil.	
isophorone (78-59-1)		
Surface tension	32 mN/m (20 °C)	
Partition coefficient n-octanol/water (Log Koc)	1.766 (log Koc, QSAR)	
Ecology - soil	Highly mobile in soil.	
4,6-Dinitro-2-methylphenol (534-52-1)		
Ecology - soil	No (test)data on mobility of the substance available.	
naphthalene (91-20-3)		
Surface tension	0.03 N/m (100 °C)	
nitrobenzene (98-95-3)		
Surface tension	0.0439 N/m	
Partition coefficient n-octanol/water (Log Koc)	Koc,Other; 118; Calculated value; log Koc; Other; 2.07; Calculated value	
Ecology - soil	Low potential for adsorption in soil.	
2,3,4,5,6-pentachlorophenol (87-86-5)		
Ecology - soil	No (test)data on mobility of the substance available.	
2,4,6-trichlorophenol (88-06-2)		
Ecology - soil	No (test)data on mobility of the substance available.	
Methylene Chloride (75-09-2)		
Surface tension	0.028 N/m (20 °C)	
Ecology - soil	Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.	

12.5. Other adverse effects

Custom 8270 w Surrogates Mix	
Custom 6270 w Surrogates with	
atrazine (1912-24-9)	
azobenzene (103-33-3)	
benzidine (92-87-5)	
benzo[a]anthracene (56-55-3)	
benzo[a]pyrene (50-32-8)	
Benzo(b)fluoranthene (205-99-2)	
benzo[k]fluoranthene (207-08-9)	
bis(2-chloroethyl) ether (111-44-4)	
Bis(2-ethylhexyl) phthalate (117-81-7)	
4-chloroaniline (106-47-8)	
4-chloro-3-methylphenol (59-50-7)	

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chrysene (218-01-9)	
dibenz(a,h)anthracene (53-70-3)	
1,4-dichlorobenzene (106-46-7)	
3,3'-dichlorobenzidine (91-94-1)	
2,4-dinitrotoluene (121-14-2)	
2,6-dinitrotoluene (606-20-2)	
hexachlorobenzene (118-74-1)	
hexachlorobuta-1,3-diene (87-68-3)	
hexachloroethane (67-72-1)	
nexacmoroemane (67-72-1)	
indeno(1,2,3-cd)pyrene (193-39-5)	
isophorone (78-59-1)	
4.6 Dinitive 2 methydahenel (E24 E2.4)	
4,6-Dinitro-2-methylphenol (534-52-1)	
naphthalene (91-20-3)	
nitrobenzene (98-95-3)	
N-Nitrosodimethylamine (62-75-9)	
N-Nitrosoumetriyiamine (02-75-5)	
N-Nirosodi-n-propylamine (621-64-7)	
2,3,4,5,6-pentachlorophenol (87-86-5)	
2,4,6-trichlorophenol (88-06-2)	
Methylene Chloride (75-09-2)	

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

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SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN2810 Toxic, liquids, organic, n.o.s. (atrazine; benzidine; benzo[a]pyrene; 3,3'-

dichlorobenzidine; 4-chloroaniline; di-2-ethylhexylphthalate; 4-chloro-3-methylphenol; 4.6-

dinitro-o-cresol), 6.1, III

UN-No.(DOT) : UN2810

Proper Shipping Name (DOT) : Toxic, liquids, organic, n.o.s.

atrazine; benzidine; benzo[a]pyrene; 3,3'-dichlorobenzidine; 4-chloroaniline; di-2-

ethylhexylphthalate; 4-chloro-3-methylphenol; 4,6-dinitro-o-cresol

Class (DOT) : 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132

Packing group (DOT) : III - Minor Danger Hazard labels (DOT) 6.1 - Poison



DOT Packaging Non Bulk (49 CFR 173.xxx) : 203 DOT Packaging Bulk (49 CFR 173.xxx) : 241

DOT Special Provisions (49 CFR 172.102)

: IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).

T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the

MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx) DOT Quantity Limitations Passenger aircraft/rail : 60 L

(49 CFR 173.27)

: 153

DOT Quantity Limitations Cargo aircraft only (49 : 220 L

CFR 175.75)

DOT Vessel Stowage Location

: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a

passenger vessel.

: 40 - Stow "clear of living quarters" **DOT Vessel Stowage Other**

Emergency Response Guide (ERG) Number

Other information : No supplementary information available.

Transportation of Dangerous Goods

Not applicable

Transport by sea

Transport document description (IMDG) : UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (atrazine; benzidine; benzo[a]pyrene; 3,3'-

dichlorobenzidine; 4-chloroaniline; di-2-ethylhexylphthalate; 4-chloro-3-methylphenol; 4,6dinitro-o-cresol), 6.1, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

UN-No. (IMDG) 2810

Proper Shipping Name (IMDG) : TOXIC LIQUID, ORGANIC, N.O.S.

: 6.1 - Toxic substances Class (IMDG)

Packing group (IMDG) : III - substances presenting low danger

Limited quantities (IMDG)

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Air transport

Transport document description (IATA) : UN 2810 Toxic liquid, organic, n.o.s. (atrazine; benzidine; benzo[a]pyrene; 3,3'-

dichlorobenzidine; 4-chloroaniline; di-2-ethylhexylphthalate; 4-chloro-3-methylphenol; 4,6-

dinitro-o-cresol), 6.1, III, ENVIRONMENTALLY HAZARDOUS

UN-No. (IATA) : 2810

Proper Shipping Name (IATA) : Toxic liquid, organic, n.o.s.

Class (IATA) : 6.1 - Toxic Substances

Packing group (IATA) : III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

atrazine (1912-24-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313

azobenzene (103-33-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

benzidine (92-87-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313

Listed on EPA Hazardous Air Pollutant (HAPS)

EPA TSCA Regulatory Flag

S - S - indicates a substance that is identified in a final Significant New Use Rule.

CERCLA RQ 1 lb

benzo[a]anthracene (56-55-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313

CERCLA RQ 10 lb

benzo[a]pyrene (50-32-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313

CERCLA RQ 1 II

Benzo(b)fluoranthene (205-99-2)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Subject to reporting requirements of United States SARA Section 313

CERCLA RQ 1 lb

benzo[k]fluoranthene (207-08-9)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Subject to reporting requirements of United States SARA Section 313

CERCLA RQ 5000 lb

bis(2-chloroethyl) ether (111-44-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Subject to reporting requirements of United States SARA Section 313

Listed on EPA Hazardous Air Pollutant (HAPS)

EPA TSCA Regulatory Flag

T - T - indicates a substance that is the subject of a final TSCA section 4 test rule.

CERCLA RQ

10 lb

RQ (Reportable quantity, section 304 of EPA's List of Lists)

SARA Section 302 Threshold Planning Quantity (TPQ)

10000 lb

Bis(2-ethylhexyl) phthalate (117-81-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 100 lb

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4-chloroaniline (106-47-8)					
Listed on the United States TSCA (Toxic Substar	nces Control Act) inventory				
Subject to reporting requirements of United States SARA Section 313					
CERCLA RQ					
4-chloro-3-methylphenol (59-50-7)					
Listed on the United States TSCA (Toxic Substar Not subject to reporting requirements of the United					
CERCLA RQ	5000 lb				
chrysene (218-01-9)					
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State					
CERCLA RQ	100 lb				
dibenz(a,h)anthracene (53-70-3)					
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State					
CERCLA RQ	1 lb				
1,4-dichlorobenzene (106-46-7)					
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State					
Listed on EPA Hazardous Air Pollutant (HAPS)					
CERCLA RQ	100 lb				
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard				
3,3'-dichlorobenzidine (91-94-1)					
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State					
Listed on EPA Hazardous Air Pollutant (HAPS)					
CERCLA RQ					
2,4-dinitrotoluene (121-14-2)					
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State					
Listed on EPA Hazardous Air Pollutant (HAPS)					
CERCLA RQ	10 lb				
2,6-dinitrotoluene (606-20-2)					
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State					
CERCLA RQ	CERCLA RQ 100 lb				
hexachlorobenzene (118-74-1)					
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State					
Listed on EPA Hazardous Air Pollutant (HAPS)	Listed on EPA Hazardous Air Pollutant (HAPS)				
CERCLA RQ	10 lb				
hexachlorobuta-1,3-diene (87-68-3)					
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State					
Listed on EPA Hazardous Air Pollutant (HAPS)					
CERCLA RQ 1 lb					
hexachloroethane (67-72-1)					
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State					
Listed on EPA Hazardous Air Pollutant (HAPS)					
EPA TSCA Regulatory Flag	TP - TP - indicates a substance that is the subject of a proposed TSCA section 4 test rule.				
CERCLA RQ	100 lb				

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Indenot (1,3-cdpyrane (193-39-5) Listed on the United States TSCA (Toxic Substances Control Act) Inventory Subject to reporting requirements of United States SARA Section 313 CERCLA RQ	ccording to Federal Register / Vol. 77, No. 58 / Monday, M	arch 26, 2012 / Rules and Regulations			
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Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313 Listed on EPA Hazardous Air Pollutant (HAPS)	CERCLA RQ	10 lb			
Subject to reporting requirements of United States SARA Section 313 Listed on EPA Hazardous Air Pollutant (HAPS)	2,4,6-trichlorophenol (88-06-2)				
CERCLA RQ 10 lb	Listed on EPA Hazardous Air Pollutant (HAPS)				
	CERCLA RQ	10 lb			

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Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Methylene Chloride (75-09-2)			
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313			
Listed on EPA Hazardous Air Pollutant (HAPS)			
EPA TSCA Regulatory Flag R - R - indicates a substance that is the subject of a TSCA section 6 risk management rule.			
CERCLA RQ 1000 lb			

15.2. International regulations

CANADA

atrazine (1912-24-9)

Listed on the Canadian DSL (Domestic Substances List)

azobenzene (103-33-3)

Listed on the Canadian DSL (Domestic Substances List)

benzidine (92-87-5)

Listed on the Canadian NDSL (Non-Domestic Substances List)

benzo[a]anthracene (56-55-3)

Listed on the Canadian NDSL (Non-Domestic Substances List)

benzo[a]pyrene (50-32-8)

Listed on the Canadian DSL (Domestic Substances List)

Benzo(b)fluoranthene (205-99-2)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

benzo[k]fluoranthene (207-08-9)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

bis(2-chloroethyl) ether (111-44-4)

Listed on the Canadian DSL (Domestic Substances List)

Bis(2-ethylhexyl) phthalate (117-81-7)

Listed on the Canadian DSL (Domestic Substances List)

4-chloroaniline (106-47-8)

Listed on the Canadian DSL (Domestic Substances List)

4-chloro-3-methylphenol (59-50-7)

Listed on the Canadian DSL (Domestic Substances List)

chrysene (218-01-9)

Listed on the Canadian DSL (Domestic Substances List)

dibenz(a,h)anthracene (53-70-3)

Listed on the Canadian NDSL (Non-Domestic Substances List)

1,4-dichlorobenzene (106-46-7)

Listed on the Canadian DSL (Domestic Substances List)

3,3'-dichlorobenzidine (91-94-1)

Listed on the Canadian NDSL (Non-Domestic Substances List)

2,4-dinitrotoluene (121-14-2)

Listed on the Canadian DSL (Domestic Substances List)

2,6-dinitrotoluene (606-20-2)

Listed on the Canadian DSL (Domestic Substances List)

hexachlorobenzene (118-74-1)

Listed on the Canadian DSL (Domestic Substances List)

hexachlorobuta-1,3-diene (87-68-3)

Listed on the Canadian DSL (Domestic Substances List)

hexachloroethane (67-72-1)

Listed on the Canadian DSL (Domestic Substances List)

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indeno(1,2,3-cd)pyrene (193-39-5)

Listed on the Canadian NDSL (Non-Domestic Substances List)

isophorone (78-59-1)

Listed on the Canadian DSL (Domestic Substances List)

4,6-Dinitro-2-methylphenol (534-52-1)

Listed on the Canadian DSL (Domestic Substances List)

naphthalene (91-20-3)

Listed on the Canadian DSL (Domestic Substances List)

nitrobenzene (98-95-3)

Listed on the Canadian DSL (Domestic Substances List)

N-Nitrosodimethylamine (62-75-9)

Listed on the Canadian NDSL (Non-Domestic Substances List)

N-Nirosodi-n-propylamine (621-64-7)

Listed on the Canadian NDSL (Non-Domestic Substances List)

2,3,4,5,6-pentachlorophenol (87-86-5)

Listed on the Canadian DSL (Domestic Substances List)

2,4,6-trichlorophenol (88-06-2)

Listed on the Canadian NDSL (Non-Domestic Substances List)

Methylene Chloride (75-09-2)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

benzidine (92-87-5)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

Listed on EPA Hazardous Air Pollutant (HAPS)

benzo[a]anthracene (56-55-3)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

benzo[a]pyrene (50-32-8)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

Benzo(b)fluoranthene (205-99-2)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

benzo[k]fluoranthene (207-08-9)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

bis(2-chloroethyl) ether (111-44-4)

Listed on EPA Hazardous Air Pollutant (HAPS)

Bis(2-ethylhexyl) phthalate (117-81-7)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

Listed on EPA Hazardous Air Pollutant (HAPS)

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4-chloroaniline (106-47-8)

Listed on IARC (International Agency for Research on Cancer)

chrysene (218-01-9)

Listed on IARC (International Agency for Research on Cancer)

dibenz(a,h)anthracene (53-70-3)

Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program)

1,4-dichlorobenzene (106-46-7)

Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program)

Listed on EPA Hazardous Air Pollutant (HAPS)

3,3'-dichlorobenzidine (91-94-1)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

Listed on EPA Hazardous Air Pollutant (HAPS)

2,4-dinitrotoluene (121-14-2)

Listed on IARC (International Agency for Research on Cancer)

Listed on EPA Hazardous Air Pollutant (HAPS)

2,6-dinitrotoluene (606-20-2)

Listed on IARC (International Agency for Research on Cancer)

hexachlorobenzene (118-74-1)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

Listed on EPA Hazardous Air Pollutant (HAPS)

hexachlorobuta-1,3-diene (87-68-3)

Listed on EPA Hazardous Air Pollutant (HAPS)

hexachloroethane (67-72-1)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

Listed on EPA Hazardous Air Pollutant (HAPS)

indeno(1,2,3-cd)pyrene (193-39-5)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

isophorone (78-59-1)

Listed on EPA Hazardous Air Pollutant (HAPS)

4,6-Dinitro-2-methylphenol (534-52-1)

Listed on EPA Hazardous Air Pollutant (HAPS)

naphthalene (91-20-3)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

Listed on EPA Hazardous Air Pollutant (HAPS)

nitrobenzene (98-95-3)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

Listed on EPA Hazardous Air Pollutant (HAPS)

N-Nitrosodimethylamine (62-75-9)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

Listed on EPA Hazardous Air Pollutant (HAPS)

N-Nirosodi-n-propylamine (621-64-7)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

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2,3,4,5,6-pentachlorophenol (87-86-5)

Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program)

Listed on EPA Hazardous Air Pollutant (HAPS)

2,4,6-trichlorophenol (88-06-2)

Listed on IARC (International Agency for Research on Cancer) Listed on EPA Hazardous Air Pollutant (HAPS)

Methylene Chloride (75-09-2)

Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program)

Listed on EPA Hazardous Air Pollutant (HAPS)

15.3. US State regulations

atrazine (1912-2	(4-9)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
No	Yes	Yes	Yes		100 μg/day (oral)
azobenzene (10	3-33-3)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	6 μg/day	
benzidine (92-8	7-5)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	0.001 μg/day	
benzo[a]anthra	cene (56-55-3)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	0.033 µg/day	
benzo[a]pyrene	(50-32-8)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	0.06 μg/day	
Benzo(b)fluorar	nthene (205-99-2)				
U.S California - Proposition 65 - Carcinogens	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
List					

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benzo[k]fluorar	nthene (207-08-9)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No		
bis(2-chloroeth	yl) ether (111-44-4)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	0.3 μg/day	
Bis(2-ethylhexy	/l) phthalate (117-81-	7)			
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	Yes	No	Yes	310 μg/day	4200 μg/day (intravenous), Adult; 600 μg/day (intravenous), Infant boys, age 29 days - 24 mos; 210 μg/day (intravenous), Neonatal infant boys, age 0 - 28 days; 410 μg/day (oral), Adult; 58 μg/day (oral), Infant boys, age 29 days - 24 mos; 20 μg/day (oral), Neonatal infant boys, age 0 - 28 days
4-chloroaniline	(106-47-8)				
U.S California -	U.S California - Proposition 65 -	U.S California - Proposition 65 -	U.S California - Proposition 65 -	No significant risk level	Maximum allowable
Proposition 65 - Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male	(NSRL)	dose level (MADL)
- Carcinogens	Developmental	Reproductive	Reproductive Toxicity	(NSRL) 1.5 μg/day	dose level (MADL)
- Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male	, ,	dose level (MADL)
- Carcinogens List Yes	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male	, ,	Maximum allowable dose level (MADL)
- Carcinogens List Yes chrysene (218-0 U.S California - Proposition 65 - Carcinogens	Developmental Toxicity No 11-9) U.S California - Proposition 65 - Developmental	Reproductive Toxicity - Female No U.S California - Proposition 65 - Reproductive	Reproductive Toxicity - Male No U.S California - Proposition 65 - Reproductive Toxicity	1.5 μg/day No significant risk level	Maximum allowable
- Carcinogens List Yes chrysene (218-0 U.S California - Proposition 65 - Carcinogens List Yes	Developmental Toxicity No 11-9) U.S California - Proposition 65 - Developmental Toxicity	Reproductive Toxicity - Female No U.S California - Proposition 65 - Reproductive Toxicity - Female	Reproductive Toxicity - Male No U.S California - Proposition 65 - Reproductive Toxicity - Male	1.5 μg/day No significant risk level (NSRL)	Maximum allowable
- Carcinogens List Yes chrysene (218-0 U.S California - Proposition 65 - Carcinogens List Yes	Developmental Toxicity No 11-9) U.S California - Proposition 65 - Developmental Toxicity No	Reproductive Toxicity - Female No U.S California - Proposition 65 - Reproductive Toxicity - Female	Reproductive Toxicity - Male No U.S California - Proposition 65 - Reproductive Toxicity - Male	1.5 μg/day No significant risk level (NSRL)	Maximum allowable

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1,4-dichloroben	zene (106-46-7)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	20 μg/day	
3,3'-dichlorober	nzidine (91-94-1)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	0.6 μg/day	
2,4-dinitrotolue	ne (121-14-2)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	Yes	2 μg/day	
2,6-dinitrotolue	ne (606-20-2)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	Yes		
hexachlorobenz	zene (118-74-1)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	Yes	No	No	0.4 μg/day	
hexachlorobuta	-1,3-diene (87-68-3)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No		
hexachloroetha					
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	20 μg/day	
)pyrene (193-39-5)				
U.S California -	U.S California - Proposition 65 -	U.S California - Proposition 65 - Reproductive	U.S California - Proposition 65 - Reproductive Toxicity	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Proposition 65 - Carcinogens List	Developmental Toxicity	Toxicity - Female	- Male		

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manhthalana (04	00.2		-		
naphthalene (91			110 0 115 :	1 1 10 1 10 1	
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	5.8 μg/day	
nitrobenzene (9	8-95-3)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	Yes		
N-Nitrosodimetl	nylamine (62-75-9)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	0.04 μg/day	
N-Nirosodi-n-pr	opylamine (621-64-7)			
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	0.1 μg/day	
2,3,4,5,6-pentac	hlorophenol (87-86-	5)			
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	40 μg/day	
2,4,6-trichloropl	nenol (88-06-2)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	10 μg/day	
Methylene Chlo	ride (75-09-2)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
LISI					

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SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE

COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending

Regulation (EC) No 1907/2006.

Other information : None.

Full text of H-phrases:

H225	Highly flammable liquid and vapor
H317	May cause an allergic skin reaction
H340	May cause genetic defects
H350	May cause cancer
H360	May damage fertility or the unborn child

Phenova US SDS REV

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