Safety Data Sheet

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

Date of issue: 02/18/2019 Revision date: 02/18/2019 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : 8270 BN Calibraion Mix

Product code AL0-130632

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 vapour

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 vapour

H317 - May cause an allergic skin reaction

H340 - May cause genetic defects

H350 - May cause cancer

H360 - May damage fertility or the unborn child

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

P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat/sparks/open flames/hot surfaces. - 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.

P363 - Wash contaminated clothing before reuse.

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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. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Conc.
Methylene Chloride (Component)	(CAS-No.) 75-09-2	88.8
benzo[a]anthracene (Component)	(CAS-No.) 56-55-3	0.2
benzo[a]pyrene (Component)	(CAS-No.) 50-32-8	0.2
Benzo(b)fluoranthene (Component)	(CAS-No.) 205-99-2	0.2
benzo[k]fluoranthene (Component)	(CAS-No.) 207-08-9	0.2
4-chloroaniline (Component)	(CAS-No.) 106-47-8	0.2
bis(2-chloroethyl) ether (Component)	(CAS-No.) 111-44-4	0.2
chrysene (Component)	(CAS-No.) 218-01-9	0.2
dibenz(a,h)anthracene (Component)	(CAS-No.) 53-70-3	0.2
1,4-dichlorobenzene (Component)	(CAS-No.) 106-46-7	0.2
N,N-dimethylaniline (Component)	(CAS-No.) 121-69-7	0.2
2,4-dinitrotoluene (Component)	(CAS-No.) 121-14-2	0.2
2,6-dinitrotoluene (Component)	(CAS-No.) 606-20-2	0.2
1,4-dioxane (Component)	(CAS-No.) 123-91-1	0.2
hydrazobenzene (Component)	(CAS-No.) 122-66-7	0.2
Bis(2-ethylhexyl) phthalate (Component)	(CAS-No.) 117-81-7	0.2
hexachlorobenzene (Component)	(CAS-No.) 118-74-1	0.2
hexachlorobuta-1,3-diene (Component)	(CAS-No.) 87-68-3	0.2
hexachloroethane (Component)	(CAS-No.) 67-72-1	0.2
indeno(1,2,3-cd)pyrene (Component)	(CAS-No.) 193-39-5	0.2
isophorone (Component)	(CAS-No.) 78-59-1	0.2
naphthalene (Component)	(CAS-No.) 91-20-3	0.2
nitrobenzene (Component)	(CAS-No.) 98-95-3	0.2
N-Nitrosodimethylamine (Component)	(CAS-No.) 62-75-9	0.2
N-Nirosodi-n-propylamine (Component)	(CAS-No.) 621-64-7	0.2

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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 victim 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

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

symptoms
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.

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.

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Incompatible materials : Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1.	Control	naramo	fore
0.1.	COILLIOL	parame	1612

8270 BN Calibraion Mix		
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

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

4-chloroaniline (106-47-8)

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
OSHA	OSHA PEL (Ceiling) (mg/m³)	90 mg/m³
OSHA	OSHA PEL (Ceiling) (ppm)	15 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA

chrysene (218-01-9)

Not applicable

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

Not applicable

ACGIH

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		675 mg/m³
OSHA	OSHA PEL (STEL) (ppm)	110 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA
N,N-dimethylaniline (121-69-7)		

ACGIH STEL (ppm) 10	IU ppm
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5 ppm

ACGIH TWA (ppm)

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2,4-dinitrotoluene (1	[21-14-2)	
ACGIH	ACGIH TWA (mg/m³)	0.2 mg/m³
2,6-dinitrotoluene (6	606-20-2)	
ACGIH	ACGIH TWA (mg/m³)	0.2 mg/m³
1,4-dioxane (123-91	-1)	
ACGIH	Local name	1,4-Dioxane
ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	Remark (ACGIH)	Liver dam
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m³)	360 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA
hydrazobenzene (12	22-66-7)	1
Not applicable	·	
Bis(2-ethylhexyl) ph	nthalate (117-81-7)	
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
hexachlorobenzene	(118-74-1)	
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 (87-68-3)	
ACGIH	Local name	Hexachlorobutadiene
ACGIH	ACGIH TWA (ppm)	0.02 ppm
ACGIH	Remark (ACGIH)	Kidney dam
ACGIH	Regulatory reference	ACGIH 2018
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)pyr	ene (193-39-5)	
Not applicable	(
isophorone (78-59-1		
ACGIH	Local name	Isophorone
ACGIH	ACGIH Ceiling (ppm)	5 ppm
	The state of the s	I control of the cont

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isophorone (78-59-1)		
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
naphthalene (91-20-3		
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 under 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 (98-95-3	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
OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	1 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA
N-Nitrosodimethylam Not applicable	ine (62-75-9)	
N-Nirosodi-n-propyla	mine (621-64-7)	
Not applicable	, , , , , , , , , , , , , , , , , , , ,	
Methylene Chloride (7	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.

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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

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

7	
9.1. Information on basic physical an	d chemical properties
Physical state	: Liquid
Color	: Colorless
Odor	: characteristic
Odor threshold	: No data available
рН	: 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
Log Pow	: No data available

9.2. Other information

No additional information available

Auto-ignition temperature

Viscosity, kinematic

Viscosity, dynamic

Explosive properties
Oxidizing properties

Explosion limits

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Decomposition temperature

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No data available

: No data available

: No data available

: No data available

No data availableNo data available

: No data available

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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

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

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 (mg/l)	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

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 (mg/l)	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

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 (mg/l)	> 5 mg/l (4 h, Rat, Inhalation)
ATE US (oral)	500 mg/kg body weight

N,N-dimethylaniline (121-69-7)	
ATE US (oral)	100 mg/kg body weight
ATE US (dermal)	300 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	3 mg/l/4h
ATE US (dust, mist)	0.5 mg/l/4h
2,4-dinitrotoluene (121-14-2)	

2,4-dinitrotoluene (121-14-2)	
ATE US (oral)	100 mg/kg body weight
ATE US (dermal)	300 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	3 mg/l/4h

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2,4-dinitrotoluene (121-14-2)	
ATE US (dust, mist)	0.5 mg/l/4h
2,6-dinitrotoluene (606-20-2)	
LD50 oral rat	177 malles (Dat Oral)
	177 mg/kg (Rat, Oral)
ATE US (darmal)	177 mg/kg body weight
ATE US (dermal)	300 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (duet mist)	3 mg/l/4h
ATE US (dust, mist)	0.5 mg/l/4h
1,4-dioxane (123-91-1)	
LD50 oral rat	> 5000 mg/kg (Rat, Oral)
LD50 dermal rabbit	7600 mg/kg (Rabbit, Dermal)
LC50 inhalation rat (mg/l)	51 mg/l (4 h, Rat, Inhalation)
LC50 inhalation rat (ppm)	14250 ppm (4 h, Rat, Inhalation)
ATE US (dermal)	7600 mg/kg body weight
ATE US (vapors)	51 mg/l/4h
ATE US (dust, mist)	51 mg/l/4h
hydrazobenzene (122-66-7)	
LD50 oral rat	301 mg/kg (Rat, Oral)
ATE US (oral)	301 mg/kg body weight
Bis(2-ethylhexyl) phthalate (117-81-7)	
LD50 dermal rabbit	19800 mg/kg body weight (24 h, Rabbit, Experimental value, Dermal)
ATE US (dermal)	19800 mg/kg body weight
hexachlorobenzene (118-74-1)	
LD50 oral rat	10000 mg/kg (Rat, Oral)
ATE US (oral)	10000 mg/kg body weight
	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 (mg/l)	7 mg/l (4 h, Rat, Male, Experimental value, Inhalation (aerosol), 14 day(s))
ATE US (oral)	1500 mg/kg body weight
ATE US (dermal)	1200 mg/kg body weight
ATE US (vapors)	7 mg/l/4h
ATE US (dust, mist)	7 mg/l/4h
naphthalene (91-20-3)	
	> 1100 mg/kg (Rat)
LD50 oral rat	
LD50 oral rat	> 2500 mg/kg (Rat)
LD50 dermal rat	> 2500 mg/kg (Rat) > 2000 mg/kg (Rathit)
LD50 dermal rat LD50 dermal rabbit	> 20000 mg/kg (Rabbit)
LD50 dermal rat LD50 dermal rabbit ATE US (oral)	
LD50 dermal rat LD50 dermal rabbit ATE US (oral) nitrobenzene (98-95-3)	> 20000 mg/kg (Rabbit) 500 mg/kg body weight
LD50 dermal rat LD50 dermal rabbit ATE US (oral) nitrobenzene (98-95-3) LD50 oral rat	> 20000 mg/kg (Rabbit) 500 mg/kg body weight 640 mg/kg (Rat; Experimental value; 588 mg/kg bodyweight; Rat)
LD50 dermal rat LD50 dermal rabbit ATE US (oral) nitrobenzene (98-95-3)	> 20000 mg/kg (Rabbit) 500 mg/kg body weight

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nitrobenzene (98-95-3)

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ATE US (dermal)	760 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	3 mg/l/4h
ATE US (dust, mist)	0.5 mg/l/4h
N-Nitrosodimethylamine (62-75-9)	
LD50 oral rat	37 mg/kg (Rat)
LC50 inhalation rat (mg/l)	0.24 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	78 ppm/4h (Rat)
ATE US (oral)	37 mg/kg body weight
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
Methylene Chloride (75-09-2)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental
	value, Oral)
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal)
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.
Ç ,	Based on available data, the classification criteria are not met
Carcinogenicity	: May cause cancer.
-	•
benzo[a]anthracene (56-55-3)	Reasonably anticipated to be Human Carcinogen
National Toxicology Program (NTP) Status	Reasonably anticipated to be numan 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 Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
4-chloroaniline (106-47-8)	
IARC group	2B - Possibly carcinogenic to humans
bis(2-chloroethyl) ether (111-44-4)	
IARC group	3 - Not classifiable
dibenz(a,h)anthracene (53-70-3)	
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
	Troadonably annoipated to be trained Odrollogen
1,4-dichlorobenzene (106-46-7)	Pagagaphly anticipated to be Human Carolinages
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
N,N-dimethylaniline (121-69-7)	O. Nick decorated by
IARC group	3 - Not classifiable
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
4.4.41	
1,4-dioxane (123-91-1)	
1,4-dioxane (123-91-1) National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
	Reasonably anticipated to be Human Carcinogen

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hydrazobenzene (122-66-7)	
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
Bis(2-ethylhexyl) phthalate (117-81-7)	
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
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)	
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
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
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
Methylene Chloride (75-09-2)	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
Reproductive toxicity	: May damage fertility or the unborn child.
	Based on available data, the classification criteria are not met
Specific target organ toxicity – single exposure	: Not classified

Specific target organ toxicity – repeated exposure

: Not classified

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

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)

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benzo[a]pyrene (50-32-8)	
LC50 fish 1	0.0056 mg/l (38 h, Pimephales promelas, Lethal)
4-chloroaniline (106-47-8)	
LC50 fish 1	2.4 mg/l (Other, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value)
	2.1 mg/ (Guior, 30 ft, Esperme mas/sermas, State System, 1 feet mater, Experimental value)
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,
	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)
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)
N,N-dimethylaniline (121-69-7)	
LC50 fish 1	78.2 mg/l (96 h, Pimephales promelas, Flow-through system, Fresh water)
EC50 Daphnia 1	5 mg/l (48 h, Daphnia magna)
,	
2,6-dinitrotoluene (606-20-2)	40 F F0 mg/l (OC h Dimonholog promolog)
LC50 fish 1 EC50 Daphnia 1	18.5 - 50 mg/l (96 h, Pimephales promelas) 21.7 mg/l (48 h, Daphnia magna, Static system)
•	21.7 mg/r (46 m, Daprillia magna, Static system)
1,4-dioxane (123-91-1)	10000 W 100 L DI L L L L L DI D)
LC50 fish 1	13000 mg/l (96 h, Pimephales promelas, GLP)
EC50 Daphnia 1	8450 mg/l (24 h, Daphnia magna)
hydrazobenzene (122-66-7)	
LC50 fish 1	0.27 mg/l (96 h, Lepomis macrochirus, Static system)
EC50 Daphnia 1	2.18 mg/l (48 h, Daphnia magna)
hexachlorobenzene (118-74-1)	
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)
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
nowhith along (04,00,0)	value, Nominal concentration)
naphthalene (91-20-3)	2.16 mg// /EC50: 49 h; Dophnia magna)
EC50 Daphnia 1 LC50 fish 2	2.16 mg/l (EC50; 48 h; Daphnia magna) 0.11 mg/l (LC50; 96 h; Oncorhynchus mykiss)
Threshold limit algae 1	0.4 mg/l (EC50; 72 h; Skeletonema costatum)
	o.4 mg/r (E000, 72 m, Okolotofichia oostatum)
nitrobenzene (98-95-3)	4.2 mg// (LCEO: OECD 202: Eigh Aguta Taylaity Took 40 h. Omming Jakings)
LC50 fish 1 EC50 Daphnia 1	4.3 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 48 h; Oryzias latipes) 35 mg/l (Other, 48 h, Daphnia magna, Static system, Fresh water, Experimental value,
ЕСэо Барппа т	Locomotor effect)
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)

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2.2. Persistence and degradability	
8270 BN Calibraion Mix	
Persistence and degradability	Not established.
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 O₂/g substance
Benzo(b)fluoranthene (205-99-2)	
Persistence and degradability	Non degradable in the soil. Not readily biodegradable in water.
ThOD	2.92 g O₂/g substance
benzo[k]fluoranthene (207-08-9)	
Persistence and degradability	Non degradable in the soil. Not readily biodegradable in water.
ThOD	2.92 g O₂/g substance
4-chloroaniline (106-47-8)	
Persistence and degradability	Non degradable in the soil. Inherently biodegradable. Not readily biodegradable in water.
bis(2-chloroethyl) ether (111-44-4)	
Persistence and degradability	Not readily biodegradable in water.
chrysene (218-01-9)	
Persistence and degradability	Non degradable in the soil. Not readily biodegradable in water.
dibenz(a,h)anthracene (53-70-3)	, ,
Persistence and degradability	Non degradable in the soil. Not readily biodegradable in water.
1,4-dichlorobenzene (106-46-7)	, ,
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)
	0.05 (Calculated value)
N,N-dimethylaniline (121-69-7) Persistence and degradability	Not readily hindowedable in water
Biochemical oxygen demand (BOD)	Not readily biodegradable in water.
	0.252 g O₂/g substance
Chemical oxygen demand (COD)	2.04 g O₂/g substance
ThOD	2.64 g O ₂ /g substance
BOD (% of ThOD)	0.1
2,4-dinitrotoluene (121-14-2)	
Persistence and degradability	Not readily biodegradable in water.
Chemical oxygen demand (COD)	1.6 g O₂/g substance
2,6-dinitrotoluene (606-20-2)	
Persistence and degradability	Not readily biodegradable in water.
1,4-dioxane (123-91-1)	
Persistence and degradability	Non degradable in the soil. Not readily biodegradable in water.
	0 g O₂/g substance
Biochemical oxygen demand (BOD)	
Biochemical oxygen demand (BOD) ThOD	1.8 g O₂/g substance
	1.8 g O ₂ /g substance
ThOD	

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Dio/2 othy/howy/ nhthelets (447.04.7)	
Bis(2-ethylhexyl) phthalate (117-81-7)	Diadogradable in the sail Deadily hisdogradable in water
Persistence and degradability	Biodegradable in the soil. 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
iconherene (79 FO 4)	
isophorone (78-59-1) Persistence and degradability	Readily biodegradable in water.
ThOD	
	2.78 g O₂/g substance
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 O₂/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.
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)	
Persistence and degradability	Not readily biodegradable in water. Photolysis in water. Photolysis in the air.
Methylene Chloride (75-09-2)	
Persistence and degradability	Biodegradable in the soil. Not readily biodegradable in water.
12.3. Bioaccumulative potential	
8270 BN Calibraion Mix	
Bioaccumulative potential	Not established.
·	HOL COLUMNOTICA.
benzo[a]anthracene (56-55-3) BCF fish 1	350 (72 h. Lougiegus idus)
BCF other aquatic organisms 1	350 (72 h, Leuciscus idus) 1106 (24 h, Daphnia pulex)
BCF other aquatic organisms 2	18000 (192 h, Crassostrea sp.)
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 other aquatic organisms 1	3000 (192 h, Crassostrea sp.)
BCF other aquatic organisms 2	1.5 (24 h, Daphnia magna)
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)
Log Pow	6.57
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Benzo(b)fluoranthene (205-99-2)	
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).
·	Thigh potential for bloaccumulation (Log Now > 3).
benzo[k]fluoranthene (207-08-9)	ATTO (D)
BCF fish 1	8750 (Pisces, QSAR)
BCF other aquatic organisms 1	0.0013 mg/kg (Algae, Dry weight)
BCF other aquatic organisms 2	37000 (Mytilus edulis)
Log Pow	6.84
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).
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)
Log Pow	1.87 (Experimental value, Equivalent or similar to OECD 117)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
bis(2-chloroethyl) ether (111-44-4)	
BCF fish 1	11 l/kg (Equivalent or similar to OECD 305, 14 day(s), Lepomis macrochirus, Semi-static system, Fresh water, Experimental value)
Log Pow	1.12 (Experimental value, Equivalent or similar to OECD 107, 20 °C)
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)
Log Pow	5.81 - 5.86 (Experimental value)
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).
·	riigii potoritaa toi pioaceamatatii (20g Kon - 0).
dibenz(a,h)anthracene (53-70-3)	5.07, 6.04
Log Pow	5.97 - 6.84
1,4-dichlorobenzene (106-46-7)	
BCF fish 1	214 - 720 (Salmo gairdneri, Chronic)
Log Pow	3.39 - 3.62 (Experimental value)
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).
N,N-dimethylaniline (121-69-7)	
BCF fish 1	4.7 - 13.6 (Cyprinus carpio, Chronic)
BCF fish 2	7.3 (48 h, Oryzias latipes)
Log Pow	1.171 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 35 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
2,4-dinitrotoluene (121-14-2)	
BCF fish 1	102.8 (336 h, Lepomis macrochirus)
BCF fish 2	16 - 204 (Poecilia reticulata)
BCF other aquatic organisms 1	13 (96 h, Daphnia magna)
BCF other aquatic organisms 2	58 (96 h, Annelida)
Log Pow	1.98 - 2.8
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
2,6-dinitrotoluene (606-20-2)	
BCF fish 1	22 (Poecilia reticulata)
BCF other aquatic organisms 1	5225 (Algae, Biomass)
Log Pow	1.72 - 2.05
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
1,4-dioxane (123-91-1)	
BCF fish 1	0.2 - 0.7 (Cyprinus carpio, Test duration: 6 weeks)
Log Pow	-0.27 (Experimental value)
Bioaccumulative potential	Not bioaccumulative.
·	
hydrazobenzene (122-66-7)	2.94
Log Pow	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

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Bis(2-ethylhexyl) phthalate (117-81-7)	
BCF fish 1	155 - 886 (56 day(s), Pimephales promelas, Literature study)
Log Pow	7.68 (Experimental value, Other)
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).
hexachlorobenzene (118-74-1)	31 (3)
BCF fish 1	20000 (Salmo gairdneri, Test duration: 8 weeks)
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)
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)
Log Pow	3.74 - 4.90
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)
Log Pow	3.34 - 4.62
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).
·	Totalitation produced indicator (000 = 201 = 0000).
indeno(1,2,3-cd)pyrene (193-39-5) BCF other aquatic organisms 1	10000 (240 h, Amphipoda)
Log Pow	6.6 - 7.7
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).
·	Thigh potential for bloaceantalation (BOL > 3000).
isophorone (78-59-1) BCF fish 1	7 (Other 14 day(s) Languis magraphing Flag through system Fresh water Evnerimental
BCF IISH I	7 (Other, 14 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Fresh weight)
Log Pow	1.67 (Experimental value, Equivalent or similar to OECD 107, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
naphthalene (91-20-3)	
BCF fish 1	23 - 168 (BCF; 8 weeks; Cyprinus carpio)
Log Pow	3.3 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
nitrobenzene (98-95-3)	
BCF fish 1	15 (BCF; 672 h)
BCF fish 2	1.6 - 7.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus
DOI HOILE	carpio; Flow-through system; Fresh water; Experimental value)
BCF other aquatic organisms 1	24 (BCF)
Log Pow	1.85 (Calculated; 1.86; Experimental value; EU Method A.8: Partition Coefficient)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
N-Nitrosodimethylamine (62-75-9)	
Log Pow	-0.770.57
Bioaccumulative potential	Bioaccumulation: not applicable.
N-Nirosodi-n-propylamine (621-64-7)	
Log Pow	1.31 - 1.36
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Methylene Chloride (75-09-2)	
BCF fish 1	2 - 40 (OECD 305: Bioconcentration: Flow-Through Fish Test, 6 week(s), Cyprinus carpio, Semi-static system, Fresh water, Experimental value, GLP)

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Methylene Chloride (75-09-2)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
12.4. Mobility in 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.	
benzo[k]fluoranthene (207-08-9)		
Ecology - soil	Adsorbs into the soil.	
4-chloroaniline (106-47-8)		
Ecology - soil	No (test)data on mobility of the substance available. Soil contaminant.	
bis(2-chloroethyl) ether (111-44-4)		
Surface tension	0.038 N/m (19 °C)	
Log Koc	1.88 (log Koc, Experimental value)	
Ecology - soil	Highly mobile in soil.	
chrysene (218-01-9)		
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.	
N,N-dimethylaniline (121-69-7)		
Surface tension	0.035 N/m (25 °C)	
Ecology - soil	Highly mobile in soil.	
2,4-dinitrotoluene (121-14-2)		
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.	
1,4-dioxane (123-91-1)		
Surface tension	0.037 N/m (20 °C)	
	0.007 14/11 (20 0)	
Bis(2-ethylhexyl) phthalate (117-81-7)	0.000 N/ (00.00)	
Surface tension	0.032 N/m (20 °C) 5.2 (log Koc, Calculated value)	
Log Koc Ecology - soil	Adsorbs into the soil. Low potential for mobility in soil.	
hexachlorobenzene (118-74-1)	Address into the con. Low potential for mostify in con.	
Ecology - soil	Adsorbs into the soil. Not toxic to bees.	
	Addiba litto tile adii. Not tokie to beed.	
hexachlorobuta-1,3-diene (87-68-3) Ecology - soil	Soil contaminant.	
	Our contamiliant.	
indeno(1,2,3-cd)pyrene (193-39-5)		
Ecology - soil	Adsorbs into the soil.	
isophorone (78-59-1)	- NV (00.00)	
Surface tension	32 mN/m (20 °C)	
Log Koc	1.766 (log Koc, QSAR)	
Ecology - soil	Highly mobile in soil.	
naphthalene (91-20-3)	0.03 N/m (400 °C)	
Surface tension	0.03 N/m (100 °C)	
nitrobenzene (98-95-3)	0.0420 N/m	
Surface tension	0.0439 N/m Koc,Other; 118; Calculated value; log Koc; Other; 2.07; Calculated value	
Log Koc		
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nitrobenzene (98-95-3)			
Ecology - soil	Low potential for adsorption in soil.		
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

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.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN2810 Toxic, liquids, organic, n.o.s. (benzo[a]pyrene; di-2-ethylhexylphthalate), 6.1, III

UN-No.(DOT) : UN2810

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

benzo[a]pyrene; di-2-ethylhexylphthalate

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

: 203

· 241

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



DOT Packaging Non Bulk (49 CFR 173.xxx)

DOT Packaging Bulk (49 CFR 173.xxx)

DOT Special Provisions (49 CFR 172.102)

DOT Symbols

: G - Identifies PSN requiring a technical name

: 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) : 153

DOT Quantity Limitations Passenger aircraft/rail : 60 L

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 220 L

CFR 175.75)

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

passenger vessel.

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

Emergency Response Guide (ERG) Number : 153

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., 6.1, III

UN-No. (IMDG) : 2810

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

Class (IMDG) : 6.1 - Toxic substances

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

Air transport

Transport document description (IATA) : UN 2810 Toxic liquid, organic, n.o.s., 6.1, III

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

benzo[a]anthracene (56-55-3)			
Listed on the United States TSCA (Toxic Substan Subject to reporting requirements of United States			
ERCLA RQ 10 lb			
benzo[a]pyrene (50-32-8)			
Listed on the United States TSCA (Toxic Substan Subject to reporting requirements of United States			
CERCLA RQ	1 lb		
Benzo(b)fluoranthene (205-99-2)			
Not listed on the United States TSCA (Toxic Subs Subject to reporting requirements of United States			
CERCLA RQ 1 lb			
benzo[k]fluoranthene (207-08-9)			
Not listed on the United States TSCA (Toxic Subs Subject to reporting requirements of United States			
CERCLA RQ 5000 lb			
4-chloroaniline (106-47-8)			
Listed on the United States TSCA (Toxic Substan Subject to reporting requirements of United States			
CERCLA RQ	1000 lb		

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bis(2-chloroethyl) ether (111-44-4)	
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	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)	10 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	10000 lb
chrysene (218-01-9)	
Listed on the United States TSCA (Toxic Substar	nces Control Act) inventory
Subject to reporting requirements of United State	s SARA Section 313
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
N,N-dimethylaniline (121-69-7)	
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
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	100 lb
1,4-dioxane (123-91-1)	
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State	
Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	100 lb
hydrazobenzene (122-66-7)	
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State	
Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	10 lb
Bis(2-ethylhexyl) phthalate (117-81-7)	
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

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harrachtarcharrace (440.74 d)	, ,			
hexachlorobenzene (118-74-1)	sace Control Act inventory			
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			
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			
indeno(1,2,3-cd)pyrene (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 100 lb				
isophorone (78-59-1)				
Listed on the United States TSCA (Toxic Substances Control Act) inventory Not subject to reporting requirements of the United States SARA Section 313				
Listed on EPA Hazardous Air Pollutant (HAPS)				
CERCLA RQ	5000 lb			
naphthalene (91-20-3)				
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State				
Listed on EPA Hazardous Air Pollutant (HAPS)				
CERCLA RQ	100 lb			
nitrobenzene (98-95-3)				
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State				
Listed on EPA Hazardous Air Pollutant (HAPS)				
CERCLA RQ	1000 lb			
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb			
SARA Section 302 Threshold Planning Quantity (TPQ)	10000 lb			
N-Nitrosodimethylamine (62-75-9)				
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			
RQ (Reportable quantity, section 304 of EPA's List of Lists)	10 lb			
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb			
N-Nirosodi-n-propylamine (621-64-7)				
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State				
CERCLA RQ	10 lb			

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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

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)

4-chloroaniline (106-47-8)

Listed on the Canadian DSL (Domestic Substances List)

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

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)

N,N-dimethylaniline (121-69-7)

Listed on the Canadian DSL (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)

1,4-dioxane (123-91-1)

Listed on the Canadian DSL (Domestic Substances List)

hydrazobenzene (122-66-7)

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

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

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)

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)

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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)

Methylene Chloride (75-09-2)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

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)

4-chloroaniline (106-47-8)

Listed on IARC (International Agency for Research on Cancer)

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

Listed on EPA Hazardous Air Pollutant (HAPS)

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)

N,N-dimethylaniline (121-69-7)

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)

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1,4-dioxane (123-91-1)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

Listed on EPA Hazardous Air Pollutant (HAPS)

hydrazobenzene (122-66-7)

Listed as carcinogen on NTP (National Toxicology Program)

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)

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)

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)

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

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 ug/dav	

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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 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	0.096 μg/day	
benzo[k]fluoran	thene (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		
4-chloroaniline	(106-47-8)				
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	1.5 μg/day	
bis(2-chloroethy	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	
chrysene (218-0	11-9)				
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	0.35 μg/day	
dibenz(a,h)anth	racene (53-70-3)				
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	0.2 μg/day	
1,4-dichloroben	zene (106-46-7)				
U.S California - Proposition 65	U.S California - Proposition 65 - Developmental	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)
 Carcinogens List 	Toxicity	TOXICITY - I emale	- Maic		

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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		
1,4-dioxane (12	3-91-1)				
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	30 μg/day	
hydrazobenzen	e (122-66-7)				
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	0.8 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
hexachlorobenz	zene (118-74-1)				
U.S California - Proposition 65	U.S California - Proposition 65 - Developmental	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)
- Carcinogens List	Toxicity	TOXICITY - Pernale	- Male		

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No. No.	owable ADL)
U.S California - Proposition 65 - Developmental List Ves No No No No No No No N	owable ADL)
U.S California - Proposition 65 - Developmental Toxicity Yes No No No No No No No No No N	owable ADL)
California - Proposition 65 - Developmental Toxicity	owable ADL)
indeno(1,2,3-cd)pyrene (193-39-5) U.S California - Proposition 65 - Pr	ADL)
U.S California - Proposition 65 - Proposition 65 - Proposition 65 - Proposition 65 - Developmental Toxicity Possition 65 - Proposition 65 - Reproductive Toxicity - Female U.S California - Proposition 65 - Reproductive Toxicity - Male U.S California - Proposition 65	ADL)
California - Proposition 65 - Developmental Toxicity	ADL)
naphthalene (91-20-3) U.S California - California - Proposition 65 - Proposition 65 - Developmental List U.S California - Proposition 65 - Reproductive Toxicity - Female No significant risk level (NSRL) Maximum all dose level (NSRL) Yes No No No No 5.8 μg/day nitrobenzene (98-95-3) U.S California - California - Proposition 65 - P	
U.S California - California - Proposition 65 - Proposition 65 - List Yes No	
U.S California - California - Proposition 65 - Proposition 65 - List Yes No	
nitrobenzene (98-95-3) U.S U.S California - U.S California - No significant risk level (NSRL) Maximum all dose level (NSRL)	ADL)
U.S California - U.S California - U.S California - U.S California - Proposition 65 - Proposition	
California - Proposition 65 - Proposition 65 - Proposition 65 - (NSRL) dose level (NSRL)	
Proposition 65 Developmental Reproductive Reproductive Toxicity - Carcinogens Toxicity Toxicity - Female List Reproductive Toxicity - Male	
Yes No No Yes	
N-Nitrosodimethylamine (62-75-9)	
U.S California - California - Proposition 65 - Proposition 65 - Carcinogens List U.S California - Proposition 65 - Reproductive Toxicity - Female U.S California - Proposition 65 - Reproductive Toxicity - Female U.S California - Proposition 65 - Reproductive Toxicity - Male No significant risk level (NSRL) Maximum all (NSRL)	
Yes No No No 0.04 μg/day	
N-Nirosodi-n-propylamine (621-64-7)	
U.S California - Proposition 65 - Proposition 65 - Developmental List U.S California - Proposition 65 - Reproductive Toxicity - Female U.S California - Proposition 65 - Reproductive Toxicity - Male U.S California - Proposition 65 - Reproductive Toxicity - Male U.S California - Proposition 65 - Reproductive Toxicity - Male	
Yes No No No 0.1 μg/day	
Methylene Chloride (75-09-2)	
U.S California - U.S California - U.S California - No significant risk level Maximum all	
California - Proposition 65 - Proposition 65 - Reproductive Toxicity - Male Proposition 65 - Proposition 65 - Reproductive Toxicity - Male Proposition 65 - Reproductive Toxicity - Male Visit	

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SECTION 16: Other information

Revision date : 02/18/2019

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:

toxt o p acco.	
H225	Highly flammable liquid and vapour
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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