# 8270 Calibration Standard

Safety Data Sheet

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

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## SECTION 1: Identification

### 1.1. Identification

Product form : Mixture

Product name : 8270 Calibration Standard

Product code : AL0-101444

### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Certified reference material for laboratory use only

### 1.3. Supplier

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

### 2.1. Classification of the substance or mixture

**GHS-US classification**

| | | |
|---|---|---|
| Flammable liquids Category 2 | H225 | Highly flammable liquid and vapour |
| Skin sensitization, Category 1 | H317 | May cause an allergic skin reaction |
| Germ cell mutagenicity Category 1B | H340 | May cause genetic defects |
| Carcinogenicity Category 1B | H350 | May cause cancer |
| Reproductive toxicity Category 1B | H360 | May damage fertility or the unborn child |
| Specific target organ toxicity (single exposure) Category 1 | H370 | Causes damage to organs |

Full text of H statements : see section 16

### 2.2. 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
H370 - Causes damage to organs

Precautionary statements (GHS-US) : 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.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
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.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

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. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | Conc. |
|---|---|---|
| Methylene Chloride (Component) | (CAS-No.) 75-09-2 | 89.6 |
| methanol | (CAS-No.) 67-56-1 | 3 |
| azobenzene (Component) | (CAS-No.) 103-33-3 | 0.1 |
| benzo[a]anthracene (Component) | (CAS-No.) 56-55-3 | 0.1 |
| benzo[a]pyrene (Component) | (CAS-No.) 50-32-8 | 0.1 |
| Bis(2-ethylhexyl) phthalate (Component) | (CAS-No.) 117-81-7 | 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 |
| 1,4-dichlorobenzene (Component) | (CAS-No.) 106-46-7 | 0.1 |
| 4-chloroaniline (Component) | (CAS-No.) 106-47-8 | 0.1 |
| 2,4-dinitrotoluene (Component) | (CAS-No.) 121-14-2 | 0.1 |
| chrysene (Component) | (CAS-No.) 218-01-9 | 0.1 |
| 4,6-Dinitro-2-methylphenol (Component) | (CAS-No.) 534-52-1 | 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 |
| isophorone (Component) | (CAS-No.) 78-59-1 | 0.1 |
| 2,4,6-trichlorophenol (Component) | (CAS-No.) 88-06-2 | 0.1 |

| Name | Product identifier | Conc. |
|---|---|---|
| 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 : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Immediately call a poison center or doctor/physician. Wash with plenty of soap and water. Wash contaminated clothing before reuse. Gently wash with plenty of soap and water.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

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

Potential Adverse human health effects and symptoms : Harmful if swallowed. Toxic in contact with skin.

Symptoms/effects after inhalation : May cause cancer by inhalation.

Symptoms/effects after skin contact : Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.

Symptoms/effects after ingestion : Swallowing a small quantity of this material will result in serious health hazard.

### 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 : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

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

### 5.2. Specific hazards arising from the chemical

Fire hazard : Highly flammable liquid and vapour.

Explosion hazard : May form flammable/explosive vapor-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Risk of explosion if heated under confinement.

### 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. DO NOT fight fire when fire reaches explosives. Evacuate area.

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

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 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

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable. Hazardous waste due to potential risk of explosion.

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. No open flames. No smoking. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so. Keep away from sources of ignition - No smoking.

Hygiene measures : Do not eat, drink or smoke when using this product. 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

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.

Storage conditions : Keep in fireproof place. Keep container tightly closed. Keep container tightly closed and in a well-ventilated place. Keep away from any flames or sparking source.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| **8270 Calibration Standard** | | |
|---|---|---|
| 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 |

| **azobenzene (103-33-3)** |
|---|
| 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 |
| OSHA | OSHA PEL (Ceiling) (mg/m³) | 90 mg/m³ |
| OSHA | OSHA PEL (Ceiling) (ppm) | 15 ppm |
| OSHA | Regulatory reference (US-OSHA) | OSHA |

| **Bis(2-ethylhexyl) phthalate (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 |

| **4-chloroaniline (106-47-8)** |
|---|
| Not applicable |

| **4-chloro-3-methylphenol (59-50-7)** |
|---|
| Not applicable |

| **chrysene (218-01-9)** |
|---|
| Not applicable |

| **dibenz(a,h)anthracene (53-70-3)** |
|---|
| Not applicable |

| **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 | Regulatory reference (US-OSHA) | OSHA |

| **4,6-Dinitro-2-methylphenol (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 |

| **2,4-dinitrotoluene (121-14-2)** | | |
|---|---|---|
| ACGIH | ACGIH TWA (mg/m³) | 0.2 mg/m³ |

| **2,6-dinitrotoluene (606-20-2)** | | |
|---|---|---|
| ACGIH | ACGIH TWA (mg/m³) | 0.2 mg/m³ |

| **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 |

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

| 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) | | |
|---|---|---|
| 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-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 |

| methanol (67-56-1) | | |
|---|---|---|
| ACGIH | Local name | Methanol |
| ACGIH | ACGIH TWA (ppm) | 200 ppm (Methanol; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value) |
| ACGIH | ACGIH STEL (ppm) | 250 ppm (Methanol; USA; Short time value; TLV - Adopted Value) |
| ACGIH | Remark (ACGIH) | Headache; eye dam; dizziness; nausea |
| ACGIH | Regulatory reference | ACGIH 2018 |
| OSHA | OSHA PEL (TWA) (mg/m³) | 260 mg/m³ |
| OSHA | OSHA PEL (TWA) (ppm) | 200 ppm |
| 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. Wash hands, forearms and face thoroughly after handling. 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:**

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

**Personal protective equipment symbol(s):**

**Other information:**

Do not eat, drink or smoke during use. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Color | : | Colorless |
| Odor | : | 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) | : | Highly flammable liquid and vapour. |
| 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 |
| 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 | : | Risk of explosion if heated under confinement. |
| 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

Highly flammable liquid and vapour. May form flammable/explosive vapor-air mixture. Risk of explosion if heated under confinement. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Heat. Sparks. Overheating.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| azobenzene (103-33-3) | |
|---|---|
| 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 |

| 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 |

| 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 |

| 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 |

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

| 4,6-Dinitro-2-methylphenol (534-52-1) | |
|---|---|
| LD50 oral rat | 7 - 40 mg/kg (Rat, Oral) |
| ATE US (oral) | 7 mg/kg body weight |
| ATE US (dermal) | 5 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-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 |
| ATE US (dust, mist) | 0.5 mg/l/4h |

| 2,6-dinitrotoluene (606-20-2) | |
|---|---|
| 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 (gases) | 700 ppmV/4h |
| ATE US (vapors) | 3 mg/l/4h |
| ATE US (dust, mist) | 0.5 mg/l/4h |

| hexachlorobenzene (118-74-1) | |
|---|---|
| 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 (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) | |
|---|---|
| LD50 oral rat | > 1100 mg/kg (Rat) |
| LD50 dermal rat | > 2500 mg/kg (Rat) |
| LD50 dermal rabbit | > 20000 mg/kg (Rabbit) |
| ATE US (oral) | 500 mg/kg body weight |

| nitrobenzene (98-95-3) | |
|---|---|
| LD50 oral rat | 640 mg/kg (Rat; Experimental value; 588 mg/kg bodyweight; Rat) |
| LD50 dermal rabbit | 760 mg/kg body weight (Rabbit; Experimental value) |
| ATE US (oral) | 100 mg/kg body weight |
| ATE US (dermal) | 760 mg/kg body weight |
| ATE US (gases) | 700 ppmV/4h |
| ATE US (vapors) | 3 mg/l/4h |

| nitrobenzene (98-95-3) | |
|---|---|
| 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 |

| 2,3,4,5,6-pentachlorophenol (87-86-5) | |
|---|---|
| LC50 inhalation rat (mg/l) | 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, Experimental value, Oral) |
| LD50 dermal rat | > 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal) |

| methanol (67-56-1) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg (Rat; BASF test; Literature study; 1187-2769 mg/kg bodyweight; Rat; Weight of evidence) |
| LD50 dermal rabbit | 15800 mg/kg (Rabbit; Literature study) |
| LC50 inhalation rat (mg/l) | 85 mg/l/4h (Rat; Literature study) |
| LC50 inhalation rat (ppm) | 64000 ppm/4h (Rat; Literature study) |
| 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 |

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.

Carcinogenicity : May cause cancer.

| azobenzene (103-33-3) | |
|---|---|
| IARC group | 3 - Not classifiable |

| 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 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 |

| 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 |

| 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) | |
|---|---|
| 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 |

| 2,3,4,5,6-pentachlorophenol (87-86-5) | |
|---|---|
| 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) | |
|---|---|
| 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 : Causes damage to organs.

| | | |
|---|---|---|
| Specific target organ toxicity – repeated exposure | : | Not classified |
| Aspiration hazard | : | Not classified |
| Potential Adverse human health effects and symptoms | : | Harmful if swallowed. Toxic in contact with skin. |
| Symptoms/effects after inhalation | : | May cause cancer by inhalation. |
| Symptoms/effects after skin contact | : | Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin. |
| Symptoms/effects after ingestion | : | Swallowing a small quantity of this material will result in serious health hazard. |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water : Very toxic to aquatic life with long lasting effects.

| azobenzene (103-33-3) | |
|---|---|
| LC50 fish 1 | < 1 mg/l (Pisces) |

| 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, Fresh water, Experimental value, GLP) |
| EC50 Daphnia 1 | 414 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static 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) |

| 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) |

| 2,6-dinitrotoluene (606-20-2) | |
|---|---|
| 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) | |
|---|---|
| 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 value, Nominal concentration) |

| 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) |

| methanol (67-56-1) | |
|---|---|
| LC50 fish 1 | 15400 mg/l (LC50; EPA 660/3 - 75/009; 96 h; Lepomis macrochirus; Flow-through system; Fresh water; Experimental value) |
| EC50 Daphnia 1 | > 10000 mg/l (EC50; DIN 38412-11; 48 h; Daphnia magna; Static system; Fresh water; Experimental value) |
| LC50 fish 2 | 10800 mg/l (LC50; 96 h; Salmo gairdneri) |

### 12.2. Persistence and degradability

| 8270 Calibration Standard | |
|---|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |

| azobenzene (103-33-3) | |
|---|---|
| Persistence and degradability | 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 $O_2$/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 $O_2$/g substance |
| ThOD | 2.92 g $O_2$/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 $O_2$/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 $O_2$/g substance |

| bis(2-chloroethyl) ether (111-44-4) | |
|---|---|
| Persistence and degradability | Not readily biodegradable in water. |

| Bis(2-ethylhexyl) phthalate (117-81-7) | |
|---|---|
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |

| 4-chloroaniline (106-47-8) | |
|---|---|
| Persistence and degradability | Non degradable in the soil. Inherently biodegradable. Not readily biodegradable in water. |

| 4-chloro-3-methylphenol (59-50-7) | |
|---|---|
| Persistence and degradability | Biodegradable in the soil. Not readily biodegradable in water. Inherently biodegradable. |
| Chemical oxygen demand (COD) | 1.5 - 1.8 g $O_2$/g substance |

| 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 $O_2$/g substance |
| BOD (% of ThOD) | 0.65 (Calculated value) |

| 4,6-Dinitro-2-methylphenol (534-52-1) | |
|---|---|
| Persistence and degradability | 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 $O_2$/g substance |

| isophorone (78-59-1) | |
|---|---|
| Persistence and degradability | Readily biodegradable in water. |
| ThOD | 2.78 g $O_2$/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 $O_2$/g substance |
| Chemical oxygen demand (COD) | 0.22 g $O_2$/g substance |
| ThOD | 2.99 g $O_2$/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 $O_2$/g substance |
| ThOD | 1.95 g $O_2$/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. |

| 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. |

| methanol (67-56-1) | |
|---|---|
| Persistence and degradability | Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil. |
| Biochemical oxygen demand (BOD) | 0.6 - 1.12 g $O_2$/g substance |
| Chemical oxygen demand (COD) | 1.42 g $O_2$/g substance |
| ThOD | 1.5 g $O_2$/g substance |
| BOD (% of ThOD) | 0.8 (Literature study) |

### 12.3. Bioaccumulative potential

| 8270 Calibration Standard | |
|---|---|
| Bioaccumulative potential | Not established. |

| azobenzene (103-33-3) | |
|---|---|
| Log Pow | 3.82 |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

| 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.) |
| 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 |
| Bioaccumulative potential | High potential for bioaccumulation (Log Kow > 5). |

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

| 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). |

| 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). |

| 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). |

| 4-chloro-3-methylphenol (59-50-7) | |
|---|---|
| BCF fish 1 | 5.5 - 13 (Cyprinus carpio, Test duration: 6 weeks) |
| Log Pow | 2.78 - 3.10 |
| 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). |

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

| 4,6-Dinitro-2-methylphenol (534-52-1) | |
|---|---|
| BCF fish 1 | 0.3 - 2.9 (6 week(s), Cyprinus carpio, Literature study) |
| Log Pow | 2.12 - 3.1 (Literature study) |
| 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). |

| hexachlorobenzene (118-74-1) | |
|---|---|
| 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) |

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

| 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). |

| isophorone (78-59-1) | |
|---|---|
| BCF fish 1 | 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 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 | -0.77 - -0.57 |
| 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). |

| 2,3,4,5,6-pentachlorophenol (87-86-5) | |
|---|---|
| BCF fish 1 | 770 (768 h, Pimephales promelas) |
| BCF fish 2 | 39 - 224 (Cyprinus carpio, Test duration: 8 weeks) |
| BCF other aquatic organisms 1 | 1250 (Algae) |
| Log Pow | 4.07 - 5.19 |
| Bioaccumulative potential | Potential for bioaccumulation (500 ≤ BCF ≤ 5000). |

| 2,4,6-trichlorophenol (88-06-2) | |
|---|---|
| BCF fish 1 | 12130 (36 day(s), Poecilia reticulata, Literature study) |
| Log Pow | 3.4 - 4.05 (Literature) |
| Bioaccumulative potential | High potential for bioaccumulation (BCF > 5000). |

| 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) |
| 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). |

| methanol (67-56-1) | |
|---|---|
| BCF fish 1 | < 10 (BCF; 72 h; Leuciscus idus) |
| Log Pow | -0.77 (Experimental value; Other) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

### 12.4. Mobility in soil

| azobenzene (103-33-3) | |
|---|---|
| Ecology - soil | No (test)data on mobility of the substance available. May be harmful to plant growth, blooming and fruit formation. |

| 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. |

| 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. |

| Bis(2-ethylhexyl) phthalate (117-81-7) | |
|---|---|
| Surface tension | 0.032 N/m (20 °C) |
| Log Koc | 5.2 (log Koc, Calculated value) |
| Ecology - soil | Adsorbs into the soil. Low potential for mobility in soil. |

| 4-chloroaniline (106-47-8) | |
|---|---|
| Ecology - soil | No (test)data on mobility of the substance available. Soil contaminant. |

| 4-chloro-3-methylphenol (59-50-7) | |
|---|---|
| Surface tension | Not applicable (solid) |
| Log Koc | 2.69 (log Koc) |
| Ecology - soil | Low potential for adsorption 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. |

| 4,6-Dinitro-2-methylphenol (534-52-1) | |
|---|---|
| Ecology - soil | No (test)data on mobility of the substance available. |

| 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. |

| 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) |
| Log Koc | 1.766 (log Koc, QSAR) |

| isophorone (78-59-1) | |
|---|---|
| Ecology - soil | Highly mobile in soil. |

| naphthalene (91-20-3) | |
|---|---|
| Surface tension | 0.03 N/m (100 °C) |

| nitrobenzene (98-95-3) | |
|---|---|
| Surface tension | 0.0439 N/m |
| 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. |

| methanol (67-56-1) | |
|---|---|
| Surface tension | 0.023 N/m (20 °C) |
| Log Koc | Koc,PCKOCWIN v1.66; 1; Calculated value |

### 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.

Additional information : Handle empty containers with care because residual vapors are flammable. Hazardous waste due to potential risk of explosion.

Ecology - waste materials : Hazardous waste due to toxicity. 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. (dichloromethane ; azobenzene ; benzo[a]anthracene ; benzo[a]pyrene ; di-2-ethylhexylphthalate ; benzo[e]acephenanthrylene ; benzo[k]fluoranthene ; 1,4-dichlorobenzene ; 4-chloroaniline ; 2,4-dinitrotoluene ; chrysene ; 4,6-dinitro-o-cresol ; 2,6-dinitrotoluene ; 4-chloro-3-methylphenol ; dibenz(a,h)anthracene ; naphthalene ; nitrobenzene ; hexachloroethane ; 2,3,4,5,6-pentachlorophenol ; hexachlorobenzene ; indeno(1,2,3-cd)pyrene ; 2,4,6-trichlorophenol ; N-methyl-N-nitrosomethanamine ; nitrosodipropylamine), 6.1, III

UN-No.(DOT) : UN2810

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

dichloromethane ; azobenzene ; benzo[a]anthracene ; benzo[a]pyrene ; di-2-ethylhexylphthalate ; benzo[e]acephenanthrylene ; benzo[k]fluoranthene ; 1,4-dichlorobenzene ; 4-chloroaniline ; 2,4-dinitrotoluene ; chrysene ; 4,6-dinitro-o-cresol ; 2,6-dinitrotoluene ; 4-chloro-3-methylphenol ; dibenz(a,h)anthracene ; naphthalene ; nitrobenzene ; hexachloroethane ; 2,3,4,5,6-pentachlorophenol ; hexachlorobenzene ; indeno(1,2,3-cd)pyrene ; 2,4,6-trichlorophenol ; N-methyl-N-nitrosomethanamine ; nitrosodipropylamine

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 Symbols | : | G - Identifies PSN requiring a technical name |
| 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).<br>T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)<br>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.<br>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 (49 CFR 173.27) | : | 60 L |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | : | 220 L |
| 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, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS |
| 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, 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

| **azobenzene (103-33-3)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

| **benzo[a]anthracene (56-55-3)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>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<br>Subject to reporting requirements of United States SARA Section 313 | |
| CERCLA RQ | 1 lb |

| **Benzo(b)fluoranthene (205-99-2)** | |
|---|---|
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory<br>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<br>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<br>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) | 10 lb |
| 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<br>Subject to reporting requirements of United States SARA Section 313 | |
| Listed on EPA Hazardous Air Pollutant (HAPS) | |
| CERCLA RQ | 100 lb |

| **4-chloroaniline (106-47-8)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| CERCLA RQ | 1000 lb |

| **4-chloro-3-methylphenol (59-50-7)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Not subject to reporting requirements of the United States SARA Section 313 | |
| CERCLA RQ | 5000 lb |

| **chrysene (218-01-9)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| CERCLA RQ | 100 lb |

| **dibenz(a,h)anthracene (53-70-3)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| CERCLA RQ | 1 lb |

| **1,4-dichlorobenzene (106-46-7)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| Listed on EPA Hazardous Air Pollutant (HAPS) | |
| CERCLA RQ | 100 lb |
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard<br>Delayed (chronic) health hazard |

| **4,6-Dinitro-2-methylphenol (534-52-1)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313<br>Not subject to reporting requirements of the United States SARA Section 313 | |
| 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) | 10000 lb 10lb if the substance is solid in powder form with particle size less than 100 microns, or is in solution or molten form |

| **2,4-dinitrotoluene (121-14-2)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| Listed on EPA Hazardous Air Pollutant (HAPS) | |
| CERCLA RQ | 10 lb |

| **2,6-dinitrotoluene (606-20-2)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| CERCLA RQ | 100 lb |

| **hexachlorobenzene (118-74-1)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>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 Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| Listed on EPA Hazardous Air Pollutant (HAPS) | |
| CERCLA RQ | 1 lb |

| **hexachloroethane (67-72-1)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| 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<br>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<br>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 Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| Listed on EPA Hazardous Air Pollutant (HAPS) | |
| CERCLA RQ | 100 lb |

| nitrobenzene (98-95-3) | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| 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 Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| 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 Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| CERCLA RQ | 10 lb |

| 2,3,4,5,6-pentachlorophenol (87-86-5) | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| Listed on EPA Hazardous Air Pollutant (HAPS) | |
| CERCLA RQ | 10 lb |

| 2,4,6-trichlorophenol (88-06-2) | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| Listed on EPA Hazardous Air Pollutant (HAPS) | |
| CERCLA RQ | 10 lb |

| Methylene Chloride (75-09-2) | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>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 |

| methanol (67-56-1) | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| Listed on EPA Hazardous Air Pollutant (HAPS) | |
| CERCLA RQ | 5000 lb |

### 15.2. International regulations

**CANADA**

| azobenzene (103-33-3) |
|---|
| Listed on the Canadian DSL (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) |
| **4,6-Dinitro-2-methylphenol (534-52-1)** |
| 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) |
| **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) |
| **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) |
| **methanol (67-56-1)** |
| 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)

**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)

**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)

**4,6-Dinitro-2-methylphenol (534-52-1)**
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)<br>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)<br>Listed as carcinogen on NTP (National Toxicology Program)<br>Listed on EPA Hazardous Air Pollutant (HAPS) |

| nitrobenzene (98-95-3) |
|---|
| Listed on IARC (International Agency for Research on Cancer)<br>Listed as carcinogen on NTP (National Toxicology Program)<br>Listed on EPA Hazardous Air Pollutant (HAPS) |

| N-Nitrosodimethylamine (62-75-9) |
|---|
| Listed on IARC (International Agency for Research on Cancer)<br>Listed as carcinogen on NTP (National Toxicology Program)<br>Listed on EPA Hazardous Air Pollutant (HAPS) |

| N-Nirosodi-n-propylamine (621-64-7) |
|---|
| Listed on IARC (International Agency for Research on Cancer)<br>Listed as carcinogen on NTP (National Toxicology Program) |

| 2,3,4,5,6-pentachlorophenol (87-86-5) |
|---|
| Listed on IARC (International Agency for Research on Cancer)<br>Listed as carcinogen on NTP (National Toxicology Program)<br>Listed on EPA Hazardous Air Pollutant (HAPS) |

| 2,4,6-trichlorophenol (88-06-2) |
|---|
| Listed on IARC (International Agency for Research on Cancer)<br>Listed as carcinogen on NTP (National Toxicology Program)<br>Listed on EPA Hazardous Air Pollutant (HAPS) |

| Methylene Chloride (75-09-2) |
|---|
| Listed on IARC (International Agency for Research on Cancer)<br>Listed as carcinogen on NTP (National Toxicology Program)<br>Listed on EPA Hazardous Air Pollutant (HAPS) |

| methanol (67-56-1) |
|---|
| Listed on EPA Hazardous Air Pollutant (HAPS) |

### 15.3. US State regulations

| azobenzene (103-33-3) | | | | | |
|---|---|---|---|---|---|
| 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 | |

| benzo[a]anthracene (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)fluoranthene (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]fluoranthene (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-chloroethyl) 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-ethylhexyl) 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 - 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 | |

| chrysene (218-01-9) | | | | | |
|---|---|---|---|---|---|
| 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)anthracene (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-dichlorobenzene (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 | |

| 2,4-dinitrotoluene (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-dinitrotoluene (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 | | |

| hexachlorobenzene (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 | | |

| hexachloroethane (67-72-1) | | | | | |
|---|---|---|---|---|---|
| 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 | 20 µg/day | |

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

| naphthalene (91-20-3) | | | | | |
|---|---|---|---|---|---|
| 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 | 5.8 µg/day | |

| nitrobenzene (98-95-3) | | | | | |
|---|---|---|---|---|---|
| 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-Nitrosodimethylamine (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-propylamine (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-pentachlorophenol (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-trichlorophenol (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 Chloride (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) |
| Yes | No | No | No | 50 µg/day | |

| methanol (67-56-1) | | | | | |
|---|---|---|---|---|---|
| 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) |
| No | Yes | No | No | | 47000 µg/day (inhalation); 23,000 µg/day (oral) |

## SECTION 16: Other information

Revision date : 03/27/2019

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:

| | |
|---|---|
| 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 |
| H370 | Causes damage to organs |

Phenova US SDS REV