



## Cyclohexane

Version 2.11

Revision Date 2022-04-04

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### Product information

Product Name : Cyclohexane  
 Material : 1015388, 1098296, 1080331, 1059057, 1026806, 1025303,  
 1026803, 1026805

**Company** : Chevron Phillips Chemical Company LP  
 10001 Six Pines Drive  
 The Woodlands, TX 77380

#### Emergency telephone:

##### Health:

866.442.9628 (North America)  
 1.832.813.4984 (International)

##### Transport:

CHEMTREC 800.424.9300 or 703.527.3887(int'l)  
 Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090  
 Mexico CHEMTREC 01-800-681-9531 (24 hours)  
 South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600  
 Argentina: +(54)-1159839431  
 EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
 Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week)  
 Belgium: 070 245 245 (24 hours/day, 7 days/week)  
 Bulgaria: +359 2 9154 233  
 Croatia: +3851 2348 342 (24 hours/day, 7 days/week)  
 Cyprus: 1401  
 Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402  
 Denmark: Danish Poison Center (Gifftlinjen): +45 8212 1212  
 Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
 Finland: 0800 147 111 09 471 977 (24 hours/day)  
 France: ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (24 hours/day, 7 days/week)  
 Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
 Greece: (0030) 2107793777 (24 hours/day, 7 days/week)  
 Hungary: +36-80-201-199 (24 hours/day, 7 days/week)  
 Iceland: 543 2222 (24 hours/day, 7 days/week)  
 Ireland: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
 Italy: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
 Latvia: State Fire and Rescue Service, phone number: 112; Toxicology and Sepsis Clinic  
 Poisoning and Drug Information Center, Hipokrāta 2, Riga, Latvia, LV-1038, phone number +371  
 67042473. (24 hours.)  
 Liechtenstein: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

**Cyclohexane**

Version 2.11

Revision Date 2022-04-04

Lithuania: +370 (85) 2362052  
 Luxembourg: (+352) 8002 5500 (24 hours/day, 7 days/week)  
 Malta: +356 2395 2000  
 The Netherlands: NVIC: +31 (0)88 755 8000  
 Norway: 22 59 13 00 (24 hours/day, 7 days/week)  
 Poland: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
 Portugal: CIAV phone number: +351 800 250 250  
 Romania: +40213183606  
 Slovakia: +421 2 5477 4166  
 Slovenia: Phone number: 112  
 Spain: National Emergency Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (24 hours/day, 7 days/week)  
 Sweden: 112 – ask for Poisons Information

Responsible Department : Product Safety and Toxicology Group  
 E-mail address : SDS@CPChem.com  
 Website : www.CPChem.com

**SECTION 2: Hazards identification**

**Classification of the substance or mixture**  
**GHS Classification and labelling according to JIS Z 7252-2019 and JIS Z 7253-2019 (GHS 2015)**

**Classification**

: Flammable liquids, Category 2  
 Skin corrosion/irritation, Category 2  
 Serious eye damage/eye irritation, Category 2A  
 Reproductive toxicity, Category 2  
 Specific target organ toxicity - single exposure, Category 2, Vasculature  
 Specific target organ toxicity - single exposure, Category 3, Respiratory tract irritation, Narcotic effects  
 Aspiration hazard, Category 1  
 Short-term (acute) aquatic hazard, Category 1

**Labeling**

Symbol(s)



Signal Word

: Danger

Hazard Statements

: H225: Highly flammable liquid and vapor.  
 H304: May be fatal if swallowed and enters airways.  
 H315: Causes skin irritation.  
 H319: Causes serious eye irritation.  
 H335: May cause respiratory irritation.  
 H336: May cause drowsiness or dizziness.  
 H361: Suspected of damaging fertility or the unborn child.  
 H371: May cause damage to organs (Vasculature).  
 H400: Very toxic to aquatic life.

Precautionary Statements

: **Prevention:**  
 P201: Obtain special instructions before use.

**Cyclohexane**

Version 2.11

Revision Date 2022-04-04

P202: Do not handle until all safety precautions have been read and understood.  
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233: Keep container tightly closed.  
 P240: Ground and bond container and receiving equipment.  
 P241: Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
 P242: Use non-sparking tools.  
 P243: Take action to prevent static discharges.  
 P260: Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.  
 P264: Wash skin thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P271: Use only outdoors or in a well-ventilated area.  
 P273: Avoid release to the environment.  
 P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304 + P340 + P312: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P311: IF exposed or concerned: Call a POISON CENTER/ doctor.

P331: Do NOT induce vomiting.

P332 + P313: If skin irritation occurs: Get medical advice/ attention.

P337 + P313: If eye irritation persists: Get medical advice/ attention.

P362 + P364: Take off contaminated clothing and wash it before reuse.

P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P391: Collect spillage.

**Storage:**

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

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

P405: Store locked up.

**Disposal:**

P501: Dispose of contents/ container to an approved waste disposal plant.

**SECTION 3: Composition/information on ingredients**

Synonyms : Not Established

Molecular formula : C<sub>6</sub>H<sub>12</sub>

Chemical name	CAS-No.	Concentration	ENCS/ISHL number

**Cyclohexane**

Version 2.11

Revision Date 2022-04-04

Cyclohexane

110-82-7

99.9 % - 100%

3-2233

**SECTION 4: First aid measures**

- General advice : Move out of dangerous area. Show this material safety data sheet to the doctor in attendance. Material may produce a serious, potentially fatal pneumonia if swallowed or vomited.
- If inhaled : Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
- In case of eye contact : Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

**SECTION 5: Firefighting measures**

- Flash point : -18.3°C (-0.9°F)  
Method: closed cup
- Autoignition temperature : 260°C (500°F)
- Suitable extinguishing media : Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical.
- Unsuitable extinguishing media : High volume water jet.
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.
- Fire and explosion protection : Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only explosion-proof equipment. Keep away from open flames, hot

**Cyclohexane**

Version 2.11

Revision Date 2022-04-04

surfaces and sources of ignition.

**SECTION 6: Accidental release measures**

- Personal precautions : Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
- Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**SECTION 7: Handling and storage****Handling**

- Advice on safe handling : Avoid formation of aerosol. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.

**Storage**

- Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

**SECTION 8: Exposure controls/personal protection****Ingredients with workplace control parameters**

JP

Components	Basis	Value	Control parameters	Note
Cyclohexane	JP OEL JSOH	OEL-M	150 ppm, 520 mg/m <sup>3</sup>	

**Cyclohexane**

Version 2.11

Revision Date 2022-04-04

**Engineering measures**

Adequate ventilation to control airborne concentrations below the exposure guidelines/limits. Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

**Personal protective equipment**

- Respiratory protection : Wear a supplied-air NIOSH approved respirator unless ventilation or other engineering controls are adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure. Wear a NIOSH approved respirator that provides protection when working with this material if exposure to harmful levels of airborne material may occur, such as:. Air-Purifying Respirator for Organic Vapors. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, aerosolization, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.
- Hand protection : The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
- Eye protection : Eye wash bottle with pure water. Tightly fitting safety goggles.
- Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Wear as appropriate:. Flame retardant antistatic protective clothing. Workers should wear antistatic footwear.
- Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties****Appearance**

- Physical state : liquid  
 Color : Colorless  
 Odor : chlorform-like,irritating

**Safety data**

- Flash point : -18.3°C (-0.9°F)  
 Method: closed cup

**Cyclohexane**

Version 2.11

Revision Date 2022-04-04

Lower explosion limit	: 1.3 %(V)
Upper explosion limit	: 8 %(V)
Oxidizing properties	: no
Autoignition temperature	: 260°C (500°F)
Molecular formula	: C <sub>6</sub> H <sub>12</sub>
Molecular weight	: 84.18 g/mol
pH	: Not applicable
Pour point	: No data available
Melting point/range	6.59°C (43.86°F)
Boiling point/boiling range	: 80.7°C (177.3°F)
Vapor pressure	: 3.26 PSI at 37.8°C (100.0°F)
Relative density	: 0.78 at 15.6 °C (60.1 °F)
Density	: 0.8 g/cm <sup>3</sup>
Water solubility	: Soluble in hydrocarbon solvents, natural oils, fats, and waxes; insoluble in water.
Partition coefficient: n-octanol/water	: No data available
Viscosity, kinematic	: 0.953 cSt at 37.8°C (100.0°F)
Relative vapor density	: 2.9 (Air = 1.0)
Evaporation rate	: 1.95
Conductivity	: < 5 pSm

**SECTION 10: Stability and reactivity**

**Reactivity** : Stable at normal ambient temperature and pressure.

**Chemical stability** : This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**Cyclohexane**

Version 2.11

Revision Date 2022-04-04

**Possibility of hazardous reactions**

- Hazardous reactions** : Further information: No decomposition if stored and applied as directed.
- Hazardous reactions: Vapors may form explosive mixture with air.
- Conditions to avoid** : Heat, flames and sparks.
- Materials to avoid** : May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
- Other data** : No decomposition if stored and applied as directed.

**SECTION 11: Toxicological information****Acute oral toxicity**

- Cyclohexane : LD50: > 5,000 mg/kg  
Species: Rat  
Sex: male and female  
Method: OECD Test Guideline 401

**Acute inhalation toxicity**

- Cyclohexane : LC50: >32,880 mg/m<sup>3</sup> Exposure time: 4 h  
Species: Rat  
Sex: male and female  
Test atmosphere: vapor  
Method: OECD Test Guideline 403

**Skin irritation**

- Cyclohexane : May cause skin irritation in susceptible persons.

**Eye irritation**

- Cyclohexane : No eye irritation

**Sensitization**

- Cyclohexane : Did not cause sensitization on laboratory animals.

**Repeated dose toxicity**

- Cyclohexane : Species: Rat  
Application Route: Inhalation  
Dose: 0, 500, 2000, 7000 ppm  
Exposure time: 90 day  
Number of exposures: 6 h/d, 5 d/wk  
NOEL: 2000 ppm



**Cyclohexane**

Version 2.11

Revision Date 2022-04-04

Species: Rat, Male and female  
 Sex: Male and female  
 Application Route: Inhalation  
 Dose: 0, 500, 2,000, 7000 ppm  
 Exposure time: 13-14 wk  
 Number of exposures: 6 hr/d, 5 d/wk  
 NOEL: 7000 ppm

Species: Mouse, Male and female  
 Sex: Male and female  
 Application Route: Inhalation  
 Dose: 0, 500, 2000, 7000 ppm  
 Exposure time: 13-14 wk  
 Number of exposures: 6 hr/d, 5 d/wk  
 NOEL: 2000 ppm  
 Target Organs: Blood

**Genotoxicity in vitro**

Cyclohexane : Test Type: Ames test  
 Metabolic activation: with and without metabolic activation  
 Method: Mutagenicity (Escherichia coli - reverse mutation assay)  
 Result: negative

Test Type: Mouse lymphoma assay  
 Metabolic activation: with and without metabolic activation  
 Result: negative

Test Type: Mouse lymphoma assay  
 Metabolic activation: with and without metabolic activation  
 Method: OECD Guideline 476  
 Result: negative

**Genotoxicity in vivo**

Cyclohexane : Test Type: Cytogenetic assay  
 Species: Rat  
 Cell type: Bone marrow  
 Dose: 96.6, 307.2, 10141.6 ppm  
 Result: negative

**Reproductive toxicity**

Cyclohexane : Species: Rat  
 Application Route: Inhalation  
 Dose: 0, 500, 2000, 7000 ppm  
 Number of exposures: 6 hr/d, 5 d/wk  
 Method: OECD Test Guideline 416  
 NOAEL Parent: 500 ppm  
 NOAEL F1: 7000 ppm  
 NOAEL F2: 7000 ppm

**Developmental Toxicity**

Cyclohexane : Species: Rat  
 Application Route: Inhalation  
 Dose: 0, 500, 2,000, 7,000 PPM

**Cyclohexane**

Version 2.11

Revision Date 2022-04-04

Number of exposures: 6 hr/d  
 Test period: GD 6-15  
 Method: OECD Guideline 414  
 NOAEL Teratogenicity: 7,000 ppm  
 NOAEL Maternal: 500 ppm

Species: Rabbit  
 Application Route: Inhalation  
 Dose: 0, 500, 2,000, 7,000 PPM  
 Number of exposures: 6 hr/d  
 Test period: GD 6-18  
 Method: OECD Guideline 414  
 NOAEL Teratogenicity: 7,000 ppm  
 NOAEL Maternal: 500 ppm

**Cyclohexane****Aspiration toxicity**

: May be fatal if swallowed and enters airways.  
 Substances known to cause human aspiration toxicity hazards or to be regarded as if they cause human aspiration toxicity hazard.

**CMR effects**

## Cyclohexane

: Carcinogenicity: Weight of evidence does not support classification as a carcinogen  
 Mutagenicity: Did not show mutagenic effects in animal experiments.  
 Teratogenicity: Did not show teratogenic effects in animal experiments.  
 Reproductive toxicity: No toxicity to reproduction

**Cyclohexane****Further information**

: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin.

**SECTION 12: Ecological information****Ecotoxicity effects****Toxicity to fish**

## Cyclohexane

: LC50: 4.53 mg/l  
 Exposure time: 96 h  
 Species: Pimephales promelas (fathead minnow)  
 Method: OECD Test Guideline 203

**Toxicity to daphnia and other aquatic invertebrates**

## Cyclohexane

: EC50: 0.9 mg/l  
 Exposure time: 48 h  
 Species: Daphnia magna (Water flea)  
 Method: OECD Test Guideline 202

**Cyclohexane**

Version 2.11

Revision Date 2022-04-04

**Toxicity to algae**

Cyclohexane : EbC50: 3.4 mg/l  
 Exposure time: 72 h  
 Species: Selenastrum capricornutum (algae)

NOEC: 0.925 mg/l  
 Exposure time: 72 h  
 Species: Pseudokirchneriella subcapitata (microalgae)  
 Method: OECD Test Guideline 201

**M-Factor**

cyclohexane : M-Factor (Acute Aquat. Tox.) 1

**Biodegradability**

Cyclohexane : 77 %  
 Testing period: 28 d  
 Method: OECD Test Guideline 301  
 This material is expected to be readily biodegradable.

**Elimination information (persistence and degradability)****Bioaccumulation**

Cyclohexane : Bioconcentration factor (BCF): 167  
 This material is not expected to bioaccumulate.

Mobility : No data available

**Results of PBT assessment**

Cyclohexane : Non-classified PBT substance, Non-classified vPvB substance

Additional ecological information : Very toxic to aquatic life with long lasting effects.

**Ecotoxicology Assessment****Short-term (acute) aquatic hazard**

Cyclohexane : Very toxic to aquatic life.

**Long-term (chronic) aquatic hazard**

Cyclohexane : Very toxic to aquatic life with long lasting effects.

**SECTION 13: Disposal considerations**

The information in this SDS pertains only to the product as shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

**Cyclohexane**

Version 2.11

Revision Date 2022-04-04

- Product : The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
- Contaminated packaging : Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

**SECTION 14: Transport information**

**The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).**

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the SDS and the bill of lading.

**US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)**

UN1145, CYCLOHEXANE, 3, II, RQ (CYCLOHEXANE)

**IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)**

UN1145, CYCLOHEXANE, 3, II, (-18.3 °C c.c.), MARINE POLLUTANT, (CYCLOHEXANE)

**IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)**

UN1145, CYCLOHEXANE, 3, II

**ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))**

UN1145, CYCLOHEXANE, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS, (CYCLOHEXANE)

**RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))**

33, UN1145, CYCLOHEXANE., 3, II, ENVIRONMENTALLY HAZARDOUS, (CYCLOHEXANE)

**ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)**

UN1145, CYCLOHEXANE, 3, II, ENVIRONMENTALLY HAZARDOUS, (CYCLOHEXANE)

For Tank Vessels and/or Barges:

UN1145, CYCLOHEXANE, 3, (N1), II, ENVIRONMENTALLY HAZARDOUS, (CYCLOHEXANE)

<b>Other information</b>	<b>:</b>	<b>Cyclohexane, S.T. 2, Cat. Y</b>
--------------------------	----------	------------------------------------

**Maritime transport in bulk according to IMO instruments**

**Cyclohexane**

Version 2.11

Revision Date 2022-04-04

**SECTION 15: Regulatory information****National legislation****Poisonous and Deleterious Substances Control Law**

: Not applicable

**Industrial Safety and Health Law**

Substances Subject to be : cyclohexane( 232 )

Notified Names Article 57-2  
(Enforcement Order Table 9)Enforcement Order of the : Inflammable Substance  
Industrial Safety and Health  
Law - Attached table 1  
(Dangerous Substances)

Harmful Substances Required : Not applicable

Permission for Manufacture

Hazardous Substances : cyclohexane ( 232 )

Subject to Labeling

Requirements Article 57

(Enforcement Order Article  
18)

Ordinance on Prevention of : Not applicable

Organic Solvent Poisoning

Ordinance on Prevention of : Not applicable

Lead Poisoning

Harmful Substances : Not applicable

Prohibited from Manufacture

Ordinance on Prevention of : Not applicable

Hazards Due to Specified

Chemical Substances

Ordinance on Prevention of : Not applicable

Tetraalkyl Lead Poisoning

: Not applicable

: Not applicable

Substances Prevented From : Not applicable

Impairment of Health Listed

**Chemical Substance Control Law**Priority Assessment Chemical : cyclohexane( 96 )  
Substance**Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof**

: Not applicable

**Other regulations**

Fire Service Law : Flammable liquids

**Cyclohexane**

Version 2.11

Revision Date 2022-04-04

Type 1 petroleums  
Hazardous rank II

- High Pressure Gas Safety Act : Not applicable
- Explosive Control Law : Not applicable
- Vessel Safety Law : Flammable liquids (Article 2 and 3 of rules on shipping and storage of dangerous goods and its Attached Table 1)
- Aviation Law : Flammable liquid (Article 194 of The Enforcement Rules of Aviation Law and its Attached Table 1)

**Notification status**

- Europe REACH : This product is in full compliance according to REACH regulation 1907/2006/EC.
- Switzerland CH INV : On the inventory, or in compliance with the inventory
- United States of America (USA) TSCA : On or in compliance with the active portion of the TSCA inventory
- Canada DSL : All components of this product are on the Canadian DSL
- Australia AICS : On the inventory, or in compliance with the inventory
- New Zealand NZIoC : On the inventory, or in compliance with the inventory
- Japan ENCS : On the inventory, or in compliance with the inventory
- Korea KECI : A substance(s) in this product was not registered, notified to be registered, or exempted from registration by CPChem according to K-REACH regulations. Importation or manufacture of this product is still permitted provided the Korean Importer of Record has themselves notified the substance or the exported amount does not exceed the minimum threshold quantity of the non-registered substance(s).
- Philippines PICCS : On the inventory, or in compliance with the inventory
- China IECSC : On the inventory, or in compliance with the inventory
- Taiwan TCSI : On the inventory, or in compliance with the inventory

**SECTION 16: Other information****Further information**

Legacy SDS Number : 895

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this SDS pertains only to the product as shipped.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Cyclohexane**

Version 2.11

Revision Date 2022-04-04

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		