

**n-Hexane (Commercial Grade)**

Version 2.0

Revision Date 2015-08-28

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****Product information**

Product Name : n-Hexane (Commercial Grade)  
Material : 1112579, 1059122, 1105008, 1099663, 1093681, 1021833,  
1021832, 1021834, 1021835

Use : Solvent

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

**Emergency telephone:****Health:**

866.442.9628 (North America)

1.832.813.4984 (International)

**Transport:**

North America: CHEMTREC 800.424.9300 or 703.527.3887

Asia: +800 CHEMCALL (+800 2436 2255) China: +86-21-22157316

EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600

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**

This product has been classified in accordance with the hazard communication standard 29 CFR 1910.1200; the SDS and labels contain all the information as required by the standard.

**Emergency Overview****Danger**

**Form:** Liquid    **Physical state:** Liquid    **Color:** clear, bright

OSHA Hazards : Flammable Liquid, Moderate skin irritant, Moderate eye irritant,  
Carcinogen, Reproductive hazard, Mutagen, Target Organ  
Effects, Aspiration hazard

**Classification**

: Flammable liquids , Category 2

**n-Hexane (Commercial Grade)**

Version 2.0

Revision Date 2015-08-28

Skin irritation , Category 2  
 Eye irritation , Category 2B  
 Germ cell mutagenicity , Category 1B  
 Carcinogenicity , Category 1B  
 Reproductive toxicity , Category 2  
 Specific target organ systemic toxicity - single exposure ,  
 Category 3 , Central nervous system  
 Specific target organ systemic toxicity - repeated exposure ,  
 Category 2 , Nervous system  
 Aspiration 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 + H320: Causes skin and eye irritation.  
 H336: May cause drowsiness or dizziness.  
 H340: May cause genetic defects.  
 H351: Suspected of causing cancer.  
 H361: Suspected of damaging fertility or the unborn child.  
 H373: May cause damage to organs (Nervous system) through  
 prolonged or repeated exposure.

Precautionary Statements

:

**Prevention:**

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been  
 read and understood.  
 P210 Keep away from heat/sparks/open flames/hot surfaces.  
 - No smoking.  
 P233 Keep container tightly closed.  
 P240 Ground/bond container and receiving equipment.  
 P241 Use explosion-proof electrical/ ventilating/ lighting/  
 equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P260 Do not breathe dust/fume/gas/mist/vapor/spray.  
 P264 Wash skin thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/ protective clothing/ eye  
 protection/ face protection.

**Response:**

P301 + P310 IF SWALLOWED: Immediately call a POISON  
 CENTER or doctor/ physician.  
 P303 + P361 + P353 IF ON SKIN (or hair): Take off  
 immediately all contaminated clothing. Rinse skin with  
 water/shower.  
 P304 + P340 + P312 IF INHALED: Remove person to fresh  
 air and keep comfortable for breathing. Call a POISON  
 CENTER or doctor/ physician 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.

**n-Hexane (Commercial Grade)**

Version 2.0

Revision Date 2015-08-28

P308 + P313 IF exposed or concerned: Get medical advice/attention.  
 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 Take off contaminated clothing and wash before reuse.  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
**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.

**Carcinogenicity:****IARC**

Group 2B: Possibly carcinogenic to humans

Hydrocarbons, C5 and higher, C5-6 rich 68476-50-6

**NTP**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**ACGIH**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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

Synonyms : Commercial NC6  
 Commercial n-Hexane

Molecular formula : C<sub>6</sub>H<sub>14</sub>

Component	CAS-No.	Weight %
Hydrocarbons, C5 and higher, C5-6 rich	68476-50-6	100
n-hexane	110-54-3	30 - 60
2-Methylpentane	107-83-5	10 - 30
3-Methylpentane	96-14-0	10 - 30
Methylcyclopentane	96-37-7	5 - 10
2,2-Dimethylbutane	75-83-2	1 - 5

**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.

**n-Hexane (Commercial Grade)**

Version 2.0

Revision Date 2015-08-28

- |                         |   |   |
|-------------------------|---|---|
| If inhaled              | : | If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.   |
| 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                                    | : | < 0 °C (< 32 °F)<br>Method: Tag closed cup   |
| Autoignition temperature                       | : | 62.8 - 71.1 °C (145.0 - 160.0 °F)  |
| Suitable extinguishing media                   | : | Alcohol-resistant foam. Carbon dioxide (CO2). 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 an open flame or any other 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.  |
| Hazardous decomposition products               | : | Carbon oxides.   |

**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 |
|----------------------|---|--|

**n-Hexane (Commercial Grade)**

Version 2.0

Revision Date 2015-08-28

- 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. 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.
- Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary, but may not by themselves be sufficient. Review all operations, which have the potential to generating and accumulation of electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106 "Flammable and Combustible Liquids"; National Fire Protection Association (NFPA 77), "Recommended Practice on Static Electricity"; and/or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising Out of Static, Lightning, and stray Currents".
- Advice on protection against fire and explosion : Do not spray on an open flame or any other 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.

**n-Hexane (Commercial Grade)**

Version 2.0

Revision Date 2015-08-28

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

Ingredients	Basis	Value	Control parameters	Note
Hydrocarbons, C5 and higher, C5-6 rich	OSHA Z-1	TWA	500 ppm, 2,000 mg/m3	(b),
	OSHA Z-1-A	TWA	400 ppm, 1,600 mg/m3	
n-hexane	ACGIH	TWA	50 ppm,	BEI, Skin,
	OSHA Z-1	TWA	500 ppm, 1,800 mg/m3	(b),
	OSHA Z-1-A	TWA	50 ppm, 180 mg/m3	
2-Methylpentane	ACGIH	TWA	500 ppm,	
	ACGIH	STEL	1,000 ppm,	
	OSHA Z-1-A	TWA	500 ppm, 1,800 mg/m3	
	OSHA Z-1-A	STEL	1,000 ppm, 3,600 mg/m3	
3-Methylpentane	ACGIH	TWA	500 ppm,	
	ACGIH	STEL	1,000 ppm,	
	OSHA Z-1-A	TWA	500 ppm, 1,800 mg/m3	
	OSHA Z-1-A	STEL	1,000 ppm, 3,600 mg/m3	
Methylcyclopentane	ACGIH	TWA	500 ppm,	
	ACGIH	STEL	1,000 ppm,	
	OSHA Z-1-A	TWA	500 ppm, 1,800 mg/m3	
	OSHA Z-1-A	STEL	1,000 ppm, 3,600 mg/m3	
2,2-Dimethylbutane	ACGIH	TWA	500 ppm,	
	ACGIH	STEL	1,000 ppm,	
	OSHA Z-1-A	TWA	500 ppm, 1,800 mg/m3	
	OSHA Z-1-A	STEL	1,000 ppm, 3,600 mg/m3	

(b) The value in mg/m3 is approximate.

BEI Substances for which there is a Biological Exposure Index or Indices (see BEI® section)

Skin Danger of cutaneous absorption

**Immediately Dangerous to Life or Health Concentrations (IDLH)**

Substance name	CAS-No.	Control parameters	Update
n-hexane	110-54-3	Immediately Dangerous to Life or Health Concentration Value 1100 ppm	1995-03-01

**Biological exposure indices****US**

Substance name	CAS-No.	Control parameters	Sampling time	Update
n-hexane	110-54-3	2,5-Hexanedione: 0.4 mg/l (Urine)	End of shift at end of workweek	2007-01-01
		2,5-Hexanedione: 0.4 mg/l (Urine)	End of shift at end of workweek	2007-01-01

**REG\_NA**

Substance name	CAS-No.	Control parameters	Sampling time	Update
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**REG\_WORLD**

Substance name	CAS-No.	Control parameters	Sampling time	Update
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**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**

**n-Hexane (Commercial Grade)**

Version 2.0

Revision Date 2015-08-28

- |                          |   |  |
|--------------------------|---|--|
| Respiratory protection   | : | 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:. 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. Air-Purifying Respirator for Organic Vapors. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, 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 according to the amount and concentration of the dangerous substance at the work place. Wear as appropriate:. Flame-resistant 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**

- |                |   |               |
|----------------|---|---------------|
| Form           | : | Liquid        |
| Physical state | : | Liquid        |
| Color          | : | clear, bright |

**Safety data**

- |                          |   |  |
|--------------------------|---|--|
| Flash point              | : | < 0 °C (< 32 °F)<br>Method: Tag closed cup |
| Lower explosion limit    | : | No data available                          |
| Upper explosion limit    | : | No data available                          |
| Oxidizing properties     | : | no   |
| Autoignition temperature | : | 62.8 - 71.1 °C (145.0 - 160.0 °F)          |
| Molecular formula        | : | C <sub>6</sub> H <sub>14</sub>             |
| Molecular weight         | : | No data available                          |
| pH                       | : | Not applicable                             |

**n-Hexane (Commercial Grade)**

Version 2.0

Revision Date 2015-08-28

Freezing point	: No data available
Boiling point/boiling range	: 62.8 - 71.1 °C (145.0 - 160.0 °F)
Vapor pressure	: 19.29 PSI at 37.8 °C (100.0 °F)
Relative density	: No data available
Density	: 660 g/l
Water solubility	: insoluble
Viscosity, kinematic	: < 7 cSt at 38 °C (100 °F)
Relative vapor density	: No data available
Evaporation rate	: 1
Percent volatile	: > 99 %

**SECTION 10: Stability and reactivity**

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

Conditions to avoid	: Heat, flames and sparks.
Materials to avoid	: May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Hazardous decomposition products	: Carbon oxides
Other data	: No decomposition if stored and applied as directed.

**SECTION 11: Toxicological information****n-Hexane (Commercial Grade)****Acute oral toxicity** : LD50: > 5 g/kg**n-Hexane (Commercial Grade)****Acute inhalation toxicity** : LC50: > 20 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Acute toxicity estimate



**n-Hexane (Commercial Grade)**

Version 2.0

Revision Date 2015-08-28

**n-Hexane (Commercial Grade)****Acute dermal toxicity** : LD50: > 2 g/kg**n-Hexane (Commercial Grade)****Skin irritation** : Irritating to skin.**n-Hexane (Commercial Grade)****Eye irritation** : May cause eye irritation.**Sensitization**

n-hexane : Did not cause sensitization on laboratory animals.

Does not cause skin sensitization.

**Repeated dose toxicity**

n-hexane

: Species: Rat, male

Sex: male

Application Route: Inhalation

Dose: 3,000 ppm

Exposure time: 16 wks

Number of exposures: 12 h/d

Lowest observable effect level: 3,000 ppm

Target Organs: Peripheral nervous system

Species: Mouse, female

Sex: female

Application Route: Inhalation

Dose: 500, 1,000, 4,000, 10,000 ppm

Exposure time: 13 wks

Number of exposures: 6h or 22h (1,000 ppm)/ 5d/wk

Lowest observable effect level: 500 ppm

Target Organs: Nose

Species: Mouse, male

Sex: male

Application Route: Inhalation

Dose: 500, 1,000, 4000, 10,000 ppm

Exposure time: 13 wks

Number of exposures: 6h or 22h (1,000 ppm)/d, 5d/wk

NOEL: 500 ppm

Lowest observable effect level: 1,000 ppm

Target Organs: Nose

Species: Rat, male

Sex: male

Application Route: oral gavage

Dose: 568, 1,135, 3,973 mg/kg bw/day

Exposure time: 90 or 120 days

Number of exposures: Daily or 5d/wk (120-d study)

NOEL: 568 mg/kg bw/day

Lowest observable effect level: 1135 mg/kg bw/day

**Carcinogenicity**

**n-Hexane (Commercial Grade)**

Version 2.0

Revision Date 2015-08-28

n-hexane : Species: Rat  
 Dose: 0.043, 900, 3,000, 9,016 ppm  
 Exposure time: 2 yrs  
 Number of exposures: 6 h/d, 5 d/wk  
 Remarks: No evidence of carcinogenicity

Species: Mouse  
 Dose: 0.039, 900, 3,000, 9,018 ppm  
 Exposure time: 2 yrs  
 Number of exposures: 6 h/d, 5 d/wk  
 Remarks: No evidence of carcinogenicity

**Reproductive toxicity**

n-hexane : Species: Rat  
 Sex: male  
 Application Route: Inhalation  
 Dose: 5,000 ppm  
 Number of exposures: 16 hr/d, 6 d/wk  
 Test period: 6 wks  
 permanent testicular damage characterized by loss of germ-cell line

**Developmental Toxicity**

n-hexane : Species: Rat  
 Application Route: Inhalation  
 Dose: 200, 1,000, 5,000 ppm  
 Number of exposures: 20 hr/d, daily  
 Test period: GD 6-20  
 NOAEL Teratogenicity: 200 ppm  
 NOAEL Maternal: 200 ppm

Species: Mouse  
 Application Route: Inhalation  
 Dose: 200, 1,000, 5,000 ppm  
 Number of exposures: 20 hr/d, daily  
 Test period: GD 6-17  
 NOAEL Maternal: 1,000 ppm

**n-Hexane (Commercial Grade)**

**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**

Hydrocarbons, C5 and higher, C5-6 rich : Carcinogenicity: Possible human carcinogen  
 Mutagenicity: In vivo tests showed mutagenic effects

n-hexane : Carcinogenicity: Not classifiable as a human carcinogen.  
 Mutagenicity: Did not show mutagenic effects in animal experiments.  
 Teratogenicity: Suspected of damaging the unborn child.  
 Reproductive toxicity: Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments.

**n-Hexane (Commercial Grade)**

Version 2.0

Revision Date 2015-08-28

**n-Hexane (Commercial Grade)****Further information** : Solvents may degrease the skin.**SECTION 12: Ecological information****Toxicity to fish**

n-hexane : LL50: 12.51 mg/l  
Exposure time: 96 h  
Species: Oncorhynchus mykiss (rainbow trout)  
Method: QSAR modeled data

3-Methylpentane : No data available

Methylcyclopentane : No data available

**Toxicity to daphnia and other aquatic invertebrates**

n-hexane : EL50: 21.85 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)  
Method: QSAR modeled data

3-Methylpentane : No data available

Methylcyclopentane : No data available

**Toxicity to algae**

n-hexane : EL50: 9.29 mg/l  
Exposure time: 72 h  
Species: Pseudokirchneriella subcapitata (green algae)  
Method: QSAR modeled data

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

n-hexane : Bioconcentration factor (BCF): 501  
Does not significantly accumulate in organisms.

2-Methylpentane : Does not significantly accumulate in organisms.

2,2-Dimethylbutane : Accumulation in aquatic organisms is unlikely.

Biodegradability : Not applicable

**Ecotoxicology Assessment****Acute aquatic toxicity**

n-hexane : Toxic to aquatic life.

**n-Hexane (Commercial Grade)**

Version 2.0

Revision Date 2015-08-28

2-Methylpentane	: Toxic to aquatic life.
3-Methylpentane	: Toxic to aquatic life.
2,2-Dimethylbutane	: Toxic to aquatic life.
Chronic aquatic toxicity n-hexane	: Toxic to aquatic life with long lasting effects.
2-Methylpentane	: Toxic to aquatic life with long lasting effects.
3-Methylpentane	: Toxic to aquatic life with long lasting effects.
2,2-Dimethylbutane	: Toxic to aquatic life with long lasting effects.
Results of PBT assessment n-hexane	: Non-classified vPvB substance, Non-classified PBT substance
Additional ecological information	: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., 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.

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)**  
UN1208, HEXANES, 3, II, RQ (HEXANE)

**n-Hexane (Commercial Grade)**

Version 2.0

Revision Date 2015-08-28

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

UN1208, HEXANES, 3, II, (&lt; 0 °C), MARINE POLLUTANT, (HEXANE), RQ (HEXANE)

**IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)**

UN1208, 3: NOT PERMITTED FOR TRANSPORT

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

UN1208, HEXANES, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS, (HEXANE)

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

UN1208, HEXANES, 3, II, ENVIRONMENTALLY HAZARDOUS, (HEXANE)

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

UN1208, HEXANES, 3, II, ENVIRONMENTALLY HAZARDOUS, (HEXANE)

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code****SECTION 15: Regulatory information****National legislation****SARA 311/312 Hazards**: Fire Hazard  
Acute Health Hazard  
Chronic Health HazardCERCLA Reportable  
Quantity: Calculated RQ exceeds reasonably attainable upper limit.  
n-hexaneSARA 302 Reportable  
Quantity: This material does not contain any components with a SARA  
302 RQ.SARA 302 Threshold  
Planning Quantity: No chemicals in this material are subject to the reporting  
requirements of SARA Title III, Section 302.SARA 304 Reportable  
Quantity: This material does not contain any components with a section  
304 EHS RQ.

**n-Hexane (Commercial Grade)**

Version 2.0

Revision Date 2015-08-28

SARA 313 Ingredients : The following components are subject to reporting levels established by SARA Title III, Section 313:

: n-hexane - 110-54-3

**Clean Air Act**

Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

: n-hexane - 110-54-3

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

**US State Regulations****Pennsylvania Right To Know**

: Hydrocarbons, C5 and higher, C5-6 rich - 68476-50-6  
n-hexane - 110-54-3  
2-Methylpentane - 107-83-5  
3-Methylpentane - 96-14-0  
Methylcyclopentane - 96-37-7  
2,2-Dimethylbutane - 75-83-2  
Cyclohexane - 110-82-7

**New Jersey Right To Know**

: Hydrocarbons, C5 and higher, C5-6 rich - 68476-50-6  
n-hexane - 110-54-3  
2-Methylpentane - 107-83-5  
3-Methylpentane - 96-14-0  
Methylcyclopentane - 96-37-7  
2,2-Dimethylbutane - 75-83-2

**California Prop. 65  
Ingredients**

: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**Notification status**

Europe REACH

: Not in compliance with the inventory

**n-Hexane (Commercial Grade)**

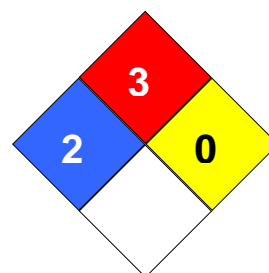
Version 2.0

Revision Date 2015-08-28

United States of America TSCA	:	On TSCA Inventory
Canada DSL	:	This product contains one or several components listed in the Canadian NDSL.
Australia AICS	:	On the inventory, or in compliance with the inventory
New Zealand NZIoC	:	Not in compliance with the inventory
Japan ENCS	:	Not in compliance with the inventory
Korea KECI	:	On the inventory, or in compliance with the inventory
Philippines PICCS	:	On the inventory, or in compliance with the inventory
China IECSC	:	On the inventory, or in compliance with the inventory

**SECTION 16: Other information**

**NFPA Classification** : Health Hazard: 2  
Fire Hazard: 3  
Reactivity Hazard: 0

**Further information**

Legacy SDS Number : CPC00475

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.

**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	PICCS	Philippines Inventory of

**n-Hexane (Commercial Grade)**

Version 2.0

Revision Date 2015-08-28

	Chemical Substances		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%		