

# SAFETY DATA SHEET

Preparation Date: 2/4/2014

Revision Date: 2/27/2018

Revision Number: G2

## 1. IDENTIFICATION

### Product identifier

**Product code:** HP682  
**Product Name:** HEXANE, HPLC GRADE

### Other means of identification

**Synonyms:** Hexyl hydride  
n-Hexane  
Dipropyl  
**CAS #:** 110-54-3  
**RTECS #** MN9275000  
**CI#:** Not available

### Recommended use of the chemical and restrictions on use

**Recommended use:** Reagent. Solvent. Cleaning agent for textile, furniture, and leather industries.  
**Uses advised against** No information available

**Supplier:** Spectrum Chemical Mfg. Corp  
14422 South San Pedro St.  
Gardena, CA 90248  
(310) 516-8000

**Order Online At:** <https://www.spectrumchemical.com>

**Emergency telephone number** Chemtrec 1-800-424-9300

**Contact Person:** Martin LaBenz (West Coast)

**Contact Person:** Ibad Tirmiz (East Coast)

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2B
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 2

### Label elements

**Danger**

**Hazard statements**

Causes skin irritation  
Causes eye irritation  
Suspected of damaging fertility or the unborn child  
May cause respiratory irritation. May cause drowsiness or dizziness  
May cause damage to organs through prolonged or repeated exposure  
May be fatal if swallowed and enters airways  
Highly flammable liquid and vapor



**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other hazards**

May be harmful if inhaled  
Toxic to aquatic life with long lasting effects  
May be harmful in contact with skin

**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Do not breathe dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof electrical/ventilating/lighting/.../equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Keep cool

**Precautionary Statements - Response**

*IF exposed or concerned: Get medical advice/attention*  
*Specific treatment (see .? on this label)*

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If skin irritation occurs: Get medical advice/attention

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

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

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS-No.	Weight %
Hexane	110-54-3	100

#### 4. FIRST AID MEASURES

##### First aid measures

- General Advice:** National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.
- Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention. If skin irritation persists, call a physician.
- Eye Contact:** Flush eyes with water for 15 minutes. Get medical attention if irritation occurs.
- Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
- Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

##### Most important symptoms and effects, both acute and delayed

- Symptoms**
- Causes eye irritation
  - Causes skin irritation
  - May cause central nervous system effects
  - Inhalation of vapors may cause dizziness or suffocation
  - Drowsiness
  - It may affect the peripheral nervous system
  - Paresthesia (numbness and tingling of the extremities)
  - Weakness
  - May affect respiration
  - Aspiration hazard if swallowed - can enter the lungs and cause damage
  - Aspiration into the lungs may cause chemical pneumonitis
  - Aspiration into the lungs may cause pulmonary edema
  - Headache
  - Nausea
  - Vomiting

##### Indication of any immediate medical attention and special treatment needed

- Notes to Physician:** Treat symptomatically.

##### Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

#### 5. FIRE-FIGHTING MEASURES

##### Extinguishing Media

- Suitable Extinguishing Media:** Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray mist or foam.
- Unsuitable Extinguishing Media:** Do not use a solid (straight) water stream as it may scatter and spread fire.

##### Specific hazards arising from the chemical

- Hazardous Combustion Products:** Carbon monoxide; Carbon dioxide

**Hazardous Combustion Products:**

No information available.

**Specific hazards:**

Extremely flammable. May be ignited by heat, sparks or flames. Container explosion may occur under fire conditions or when heated. Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Fire may produce irritating, corrosive and/or toxic gases.

**Special Protective Actions for Firefighters****Specific Methods:**

Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

**Special Protective Equipment for Firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures****Personal Precautions:**

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use spark-proof tools and explosion-proof equipment. In case of large spill, water spray or vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in closed spaces.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not let this chemical enter the environment. Prevent entry into waterways, sewers, basements or confined areas. In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

**Methods and material for containment and cleaning up****Methods for containment**

Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth).

**Methods for cleaning up**

Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use clean non-sparking tools to collect absorbed material. Clean contaminated surface thoroughly.

**7. HANDLING AND STORAGE****Precautions for safe handling****Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

**Safe Handling Advice**

Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe vapors or spray mist. Do not ingest. When using do

not smoke. Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Technical Measures/Storage Conditions:**

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Keep away from heat and sources of ignition. Store in a segregated and approved area. Store away from incompatible materials.

**Incompatible Materials:**

Oxidizing agents  
Dinitrogen tetraoxide

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**National occupational exposure limits**

**United States**

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Hexane	110-54-3	500 ppm TWA 1800 mg/m <sup>3</sup> TWA	50 ppm TWA 180 mg/m <sup>3</sup> TWA	50 ppm TWA	None

**Canada**

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Hexane	110-54-3	50 ppm TWA 176 mg/m <sup>3</sup> TWA	20 ppm TWA	None	None

**Australia and Mexico**

Components	CAS-No.	Australia	Mexico
Hexane	110-54-3	20 ppm TWA 72 mg/m <sup>3</sup> TWA	50 ppm TWA 176 mg/m <sup>3</sup> TWA

**Appropriate engineering controls**

**Engineering measures to reduce exposure:**

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

**Individual protection measures, such as personal protective equipment**

**Personal Protective Equipment**

**Eye protection:** Goggles Safety glasses with side-shields

**Skin and body protection:** Chemical resistant apron  
Long sleeved clothing  
Gloves

**Respiratory protection:** Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

**Hygiene measures:** Avoid contact with skin, eyes and clothing. When using, do not eat, drink or

smoke. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b> Liquid	<b>Appearance:</b> No information available.	<b>Color:</b> Clear. Colorless.
<b>Odor:</b> Gasoline-like.	<b>Taste</b> No information available.	<b>Formula:</b> C6-H14
<b>Molecular/Formula weight:</b> 86.18	<b>Flammability:</b> No information available	<b>Flash point (°C):</b> -22
<b>Flashpoint (°C/°F):</b> -22 °C/ -7.6 °F	<b>Flash Point Tested according to:</b> Closed cup	<b>Autoignition Temperature (°C/°F):</b> 225 °C/437 °F
<b>Lower Explosion Limit (%):</b> 1.1%	<b>Upper Explosion Limit (%):</b> 7.5%	<b>Melting point/range(°C/°F):</b> -95 °C/-139 °F
<b>Decomposition temperature(°C/°F):</b> No information available	<b>Boiling point/range(°C/°F):</b> 68-69°C/154.4-156.2 °F	<b>Bulk density:</b> No information available
<b>Density (g/cm3):</b> No information available	<b>Specific gravity:</b> 0.66	<b>pH:</b> No information available
<b>Vapor pressure @ 20°C (kPa):</b> 16.5	<b>Evaporation rate:</b> No information available	<b>Vapor density:</b> 2.97
<b>VOC content (g/L):</b> 660	<b>Odor threshold (ppm):</b> 130	<b>Partition coefficient (n-octanol/water):</b> 3.9
<b>Viscosity:</b> No information available	<b>Miscibility:</b> Immiscible with water Miscible with alcohol Miscible with Chloroform Miscible with Ether Miscible with Acetone	<b>Solubility:</b> Insoluble in water

## 10. STABILITY AND REACTIVITY

### Reactivity

It can react vigorously, violently or explosively with oxidizers  
Mixtures of Hexane and dinitrogen tetraoxide may explode at 28 deg C

### Chemical stability

**Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Conditions to avoid:** Heat. Ignition sources. Incompatible materials.

**Incompatible Materials:** Oxidizing agents  
Dinitrogen tetraoxide

**Hazardous decomposition products:** Carbon monoxide. Carbon dioxide. When heated to decomposition it emits acrid smoke and irritating fumes.

**Other Information****Corrosivity:** No information available**Special Remarks on Corrosivity:** No information available**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Principal Routes of Exposure:**

Ingestion. Skin. Inhalation.

**Acute Toxicity****Component Information**

Hexane	
CAS-No.	110-54-3

**LD50/oral/rat** = 25 g/kg Oral LD50 Rat**LD50/oral/mouse** = 5000 mg/kg**LD50/dermal/rabbit** = 3000 mg/kg Dermal LD50Rabbit**LD50/dermal/rat** = 3000 mg/kg Dermal LD50 = 48000 ppm Inhalation LC50 = 25 g/kg Oral LD50**LC50/inhalation/rat** = 48000 ppm Inhalation LC50 Rat 4 h**LC50/inhalation/mouse** = 15000 mg/m<sup>3</sup> 2 h**Other LD50 or LC50information** = No information available**Product Information****LD50/oral/rat =****VALUE- Acute Tox Oral** = 25000 mg/kg**LD50/oral/mouse =****Value - Acute Tox Oral** = 5000 mg/kg**LD50/dermal/rabbit****VALUE-Acute Tox Dermal** = 3000 mg/kg**LD50/dermal/rat****VALUE -Acute Tox Dermal** = No information available**LC50/inhalation/rat****VALUE-Vapor** = No information available**VALUE-Gas** = 48000 ppm (4-hr)**VALUE-Dust/Mist** = No information available**LC50/Inhalation/mouse****VALUE-Vapor** = 1500 mg/m<sup>3</sup> 2 h**VALUE - Gas** = No information available**VALUE - Dust/Mist** = No information available**Symptoms****Skin Contact:**

Contact causes skin irritation. Symptoms may include redness, increased blood flow, swelling, pain, itching, painful burning, followed by blister formation. It may be absorbed through the skin. If absorbed through skin it may cause systemic effects.

**Eye Contact:**

May cause slight irritation. Mild eye irritation.

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**Inhalation**

May cause irritation of respiratory tract. Inhalation of high concentrations of vapors may cause dizziness or suffocation. May affect respiration (respiratory depression). Symptoms may include coughing and shortness of breath. It may cause pulmonary edema. May cause nausea, vomiting. May cause anorexia or weight loss. It may affect behavior/central nervous system (general anesthetic, central nervous system depression, headache, lightheadedness, vertigo, confusion, memory loss, hallucinations, excitement, euphoria). May affect the peripheral nervous system (peripheral neuropathy, numbness of the extremities, muscle weakness, paralysis). May affect the brain. May cause cardiovascular system effects. May affect vision (blurred vision).

**Ingestion**

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause abdominal pain. Aspiration hazard if swallowed. Aspiration into the lungs can cause chemical pneumonitis. Aspiration may lead to pulmonary edema. May affect behavior/central nervous system (somnolence, ataxia).

**Aspiration hazard**

Aspiration hazard. May be fatal if swallowed and enters airways.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Chronic Toxicity**

Prolonged or repeated inhalation may affect metabolism (weight loss). Prolonged or repeated inhalation may affect the brain. Prolonged or repeated inhalation may affect the kidneys. Prolonged or repeated inhalation may affect the liver. Prolonged or repeated ingestion may affect the liver. Prolonged or repeated ingestion may affect behavior/central nervous system. Prolonged or repeated inhalation or ingestion may affect the peripheral nervous system (weakness, paresthesia - a tingling, pricking, or numbness of the skin (known as the feeling of "pins and needles" generally of the hands and feet (extremities))). Prolonged or repeated inhalation or ingestion may affect the peripheral nervous system (muscle weakness, peripheral neuropathy with paresthesia - a tingling, pricking, or numbness of the skin (known as the feeling of "pins and needles" generally of the hands and feet (extremities))), paralysis). Prolonged or repeated inhalation may affect the spinal cord. Prolonged or repeated ingestion may affect the blood (changes in serum composition, leukopenia). Prolonged or repeated skin contact may cause dermatitis and defatting, dryness, and cracking of the skin. Skin changes such as coldness, redness, and roughness may occur.

**Sensitization:**

No information available.

**Mutagenic Effects:**

May affect genetic material  
Animal experiments showed mutagenic effects

**Carcinogenic effects:**

May cause cancer based on animal test data. Tumorigenic agent by RTECS criteria.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Hexane	110-54-3	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*IARC (International Agency for Research on Cancer)*

*NTP (National Toxicology Program)*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*



**Reproductive toxicity** Suspected of damaging fertility or the unborn child

**Reproductive Effects:** May cause adverse reproductive effects based on animal data  
Possible risk of impaired fertility

**Developmental Effects:** May cause adverse developmental effects based on animal data

**Teratogenic Effects:** May cause birth defects (teratogenic effects) based on animal test data

**Specific Target Organ Toxicity**

**STOT - single exposure** Respiratory system. central nervous system.

**STOT - repeated exposure** central nervous system. Peripheral Nervous System (PNS).

**Target Organs:** Skin. Central nervous system. Peripheral nervous system. Respiratory system.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Ecotoxicity effects:** Aquatic environment. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

*Hexane - 110-54-3*

**Freshwater Fish Species Data:** 2.1 - 2.98 mg/L LC50 Pimephales promelas 96 h flow-through 1

**Water Flea Data:** 1000 mg/L EC50 Daphnia magna 24 h

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Disposal Methods**

**Waste from residues / unused products:**  
Waste must be disposed of in accordance with Federal, State and Local regulation.

**Contaminated packaging:**  
Empty containers should be taken for local recycling, recovery or waste disposal

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Hexane	110-54-3	None	None	None	None

**14. TRANSPORT INFORMATION**

**DOT**

**UN-No:** UN1208

**Proper Shipping Name:** Hexanes

**Hazard Class:** 3

**Subsidiary Class** No information available

**Packing group:** II

**Emergency Response Guide Number** No information available

**Marine Pollutant** No data available

**DOT RQ (lbs):** No information available

**Special Provisions** No Information available  
**Symbol(s):** [DOT]: (R5) - Identifies a material that is a hazardous substance that has a reportable quantity (RQ) of 5000 pounds (2270 Kilograms).  
**Description:** UN1208,Hexanes ,3,,PG II

**TDG (Canada)**  
**UN-No:** UN1208  
**Proper Shipping Name:** Hexanes  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Marine Pollutant** No Information available  
**Description:** HEXANES,3,UN1208,PG II

**ADR**  
**UN-No:** UN1208  
**Proper Shipping Name:** Hexanes  
**Hazard Class:** 3  
**Packing Group:** II  
**Subsidiary Risk:** No information available  
**Description:** UN1208 Hexanes,3,II

**IMO / IMDG**  
**UN-No:** UN1208  
**Proper Shipping Name:** Hexanes  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Marine Pollutant** No information available  
**EMS:** F-E

**RID**  
**UN-No:** UN1208  
**Proper Shipping Name:** Hexanes  
**Hazard Class:** 3  
**Subsidiary Risk:** 3  
**Packing Group:** II  
**Description:** UN1208 Hexanes,3,II,RID

**ICAO**  
**UN-No:** UN1208  
**Proper Shipping Name:** Hexanes  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Description:** Hexanes,3,UN1208,PG II

**IATA**  
**UN-No:** UN1208  
**Proper Shipping Name:** Hexanes  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**ERG Code:** 3H  
**Special Provisions** No information available  
**Description:** UN1208,Hexanes,3,PG II

## 15. REGULATORY INFORMATION

## International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Hexane	110-54-3	PresentACTIVE	Present KE-18626	Present	Present (2)-6	Present	Present	Present 203-777-6

## U.S. Regulations

### Hexane

Massachusetts RTK: Present

New Jersey RTK Hazardous Substance List: 1340

New Jersey (EHS) List: 1340 500 lb TPQ

New Jersey - Discharge Prevention - List of Hazardous Substances: Present

Pennsylvania RTK: Present

Minnesota - Hazardous Substance List: Present

New York Release Reporting - List of Hazardous Substances:

1 lb RQ

Louisiana Reportable Quantity List for Pollutants: 5000lbRQapplies to unauthorized emissions based on total mass emitted into or onto all media within any consecutive 24-hour period

1000lbRQapplies to unauthorized emissions based on total mass emitted into the atmosphere

FDA - Direct Food Additives 21 CFR 173.270


FDA - 21 CFR - Total Food Additives 172.340, 172.560, 173.270, 175.105, 175.320, 176.200, 177.1200, 73.295, 73.30, 73.300, 73.315, 73.345, 73.615

## California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

### Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

### Chemicals Known to the State of California to Cause Reproductive Toxicity:

 WARNING: This product can expose you to chemicals including (see table below) which is (are) known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Hexane	110-54-3	Not Listed	Not Listed	male reproductive toxicity	Not Listed

## CERCLA/SARA

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Hexane	110-54-3	5000 lb final RQ 2270 kg final RQ	None	None	None	1.0 % de minimis concentration

## U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Hexane	110-54-3	Not Applicable	Not Applicable

## Canada

### WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Product code: HP682

Product name: HEXANE, HPLC  
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Component  
Hexane  
110-54-3 ( 100 )

WHMIS 2015 Hazard Classification  
Flammable liquids - Category 2: H225 Highly flammable liquid and vapour.; Skin corrosion/irritation - Category 2: H315 Causes skin irritation.; Reproductive Toxicity - Category 2: H361 Suspected of damaging fertility or the unborn child.; Specific target organ toxicity - Single exposure - Category 3: H336 May cause drowsiness or dizziness.; Specific target organ toxicity - Repeated exposure - Category 1: H372 Causes damage to organs through prolonged or repeated exposure.; Aspiration hazard - Category 1: H304 May be fatal if swallowed and enters airways.

**Canada Hazardous Products Regulation** This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

**WHMIS 1988 Hazard Class**

B2 Flammable liquid  
D2A Very toxic materials  
D2B Toxic materials

**Components**

Hexane

WHMIS 1988

B2,D2A,D2B

**Canada Controlled Products Regulation:**

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
Hexane	1 %

**Inventory**

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Hexane	110-54-3	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Hexane	110-54-3	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Hexane	110-54-3	Not listed

**EU Classification**

**EU GHS - SV - CLP 1272/2008**

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Hexane	110-54-3	Flammable liquids - Flam. Liq. 2: H225 Highly flammable liquid and vapour.; Skin corrosion/irritation - Skin Irrit. 2: H315 Causes skin irritation.; Reproductive Toxicity - Repr. 2: H361f Suspected of damaging fertility. (Hazard statements H360 and H361 indicate a general concern for effects on both fertility and development: May damage/Suspected of damaging fertility or the unborn child; According to the criteria, the general hazard statement can be replaced by the hazard statement indicating the specific effect of concern in accordance with section 1.1.2.1.2; When the other differentiation is not mentioned, this is due to evidence proving no such effect, inconclusive

		<p>data or no data and the obligations in Article 4(3) shall apply for that differentiation); Specific target organ toxicity - Single exposure - STOT SE 3: H336 May cause drowsiness or dizziness.; Specific target organ toxicity - Repeated exposure - STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure. (C &gt;= 5 %; Minimum classification; No information to prove exclusion of certain routes of exposure); Aspiration hazard - Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.; Hazardous to aquatic environment - chronic hazard - Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects.601-037-00-0</p> <p>Specific target organ toxicity - Repeated exposure - STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure. (C &gt;= 5 %; Minimum classification; No information to prove exclusion of certain routes of exposure)601-037-00-0</p>
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**EU - CLP (1272/2008)**

**R-phrase(s)**

- R11 - Highly flammable.
- R38 - Irritating to skin.
- R62 - Possible risk of impaired fertility.
- R65 - Harmful: may cause lung damage if swallowed.
- R67 - Vapors may cause drowsiness and dizziness.
- R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S -phrase(s)**

- S 9 - Keep container in a well-ventilated place.
- S16 - Keep away from sources of ignition - No smoking.
- S29 - Do not empty into drains.
- S33 - Take precautionary measures against static discharges.
- S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.
- S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
- S36/37 - Wear suitable protective clothing and gloves.

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Hexane	110-54-3	F; R11 Xi; R38 N; R51-53 Repr.Cat.3; R62 Xn; R65-48/20 R67	5%<=C Xn; R48/20	S: 9-16-29-33-61-62-36/37

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Product code: HP682

Product name: HEXANE, HPLC  
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F - Highly flammable.  
Xn - Harmful.  
N - Dangerous for the environment.



## 16. OTHER INFORMATION

**Preparation Date:** 2/4/2014  
**Revision Date:** 2/27/2018  
**Prepared by:** Sonia Owen

### Disclaimer:

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**End of Safety Data Sheet**