

# MATERIAL SAFETY DATA SHEET

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **1,2 –Hexanediol Supra**  
Chemical or Common Name: DL-Hexane -1,2-diol

Sarchem Laboratories, Inc.  
5012 Industrial Road  
Farmingdale, NJ 07727

Emergency Phone No  
1-732-938-2777  
CHEMTEL  
800-255-3924  
International  
+1-813-248-0585

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>EC-No</u>	<u>Molecular Formula</u>	<u>MOL.WT</u>
1,2-Hexanediol	6920-22-5	230-029-6	C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>	118.17g/mol

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## 3. HAZARDS IDENTIFICATION

**Risk Advice to man and environment**

**Potential Health Effects**

<b>Inhalation</b>	<b>May be harmful if inhaled. May cause respiratory tract irritation</b>
<b>Skin</b>	<b>May be harmful if absorbed through skin. May cause skin irritation</b>
<b>Eyes</b>	<b>May cause eye irritation</b>
<b>Ingestion</b>	<b>May be harmful if swallowed</b>

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## 4. FIRST AID MEASURES

**If Inhaled**

If breathing, move person into fresh air. If not breathing give artificial respiration

**In case of skin contact**

Wash off with soap and plenty of water

**In case of eye contact**

Flush eyes with water as precaution

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water

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## 5. FIRE FIGHTING MEASURES

### Flammable properties

Flash point 122°C-Closed up  
Ignition temperature no data available

### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

### Special protective equipment for fire fighters

Wear self contained breathing apparatus for firefighting if necessary

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Use personal protective equipment, Avoid breathing vapors, mist or gas ensure adequate ventilation

### Environmental precautions

Do not let product enter drains

### Methods for cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste Keep in suitable, closed containers for disposal

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## 7. HANDLING & STORAGE

### Handling

Provide appropriate exhaust ventilation at places where vapor is formed. Avoid contact with skin and eyes. Normal measures for preventive fire protection

### Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Personal protective equipment

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

#### Hand protection

For prolonged or repeated contact use protective gloves.

#### Eye protection

Safety glasses with side shields conforming to EN166

**Skin and body protection**

Choose body protection according to the amount and concentration of the dangerous substance at the work place

**Hygiene measures**

General industrial hygiene practice

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

Form	Liquid
Color:	Light yellow

**Safety data**

<b>pH</b>	no data available
<b>Boiling point</b>	223-224°C-lit
<b>Flash point</b>	122°C - Closed up
<b>Ignition temperature</b>	no data available
<b>Lower explosion limit</b>	no data available
<b>Upper explosion limit</b>	no data available
<b>Water solubility</b>	no data available
<b>Density</b>	0.951g/ml at 25°C

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**10. STABILITY AND REACTIVITY**

**Storage stability**

Stable under recommended storage conditions

**Material to avoid**

Strong oxidizing agents

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions-Carbondioxide

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**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

No data available

**Irritation and corrosion**

No data available

**Sensitization**

No data available

### **Chronic exposure**

**IARC:** No component of this product present at levels greater than or equals to 0.1% is identified as Probable, possible or confirmed human carcinogen by IARC

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

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP

### **Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Prolonged or repeated exposure can cause Nausea, Headache and vomiting.

### **Potential Health Effects**

<b>Inhalation</b>	May be harmful if inhaled. May cause respiratory tract irritation
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## **12. ECOLOGICAL INFORMATION**

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

No data available

### **Ecotoxicity effects**

No data available

### **Further information on ecology**

No data available

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## **13. DISPOSAL CONSIDERATIONS**

### **Product**

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal services to dispose of the material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber

### **Contaminated packaging**

Dispose of as unused product

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## **14. TRANSPORT INFORMATION**

### **DOT (US)**

Not dangerous goods

**IMDG**  
Not dangerous goods

**IATA**  
Not dangerous goods

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## 15. REGULATORY INFORMATION

### Labeling according to EC Directives

#### Hazard symbols

**XI** Irritant

#### R-Phrase(s)

**R36/37/38** Irritating to eyes, respiratory system and skin

#### S-Phrase(s)

**S26** In case of contact with eyes, rinse immediately with plenty of water and seek  
Medical advice

**S36** Wear Suitable protective clothing

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The above data is for information purposes only and is accurate to the best of Sarchem Laboratories' knowledge. No guarantee or liability is expressed or implied