MATERIAL SAFETY DATA SHEET

State Chemical Manufacturing Company
3100 Hamilton Avenue, Cleveland, OH 44114 (216) 861-7114

State Chemical Ltd.
1745 Meyerside Dr., Unit #1, Mississauga, Ontario L5T 1G5 (905) 670-4669

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: DREZ
Product Description: A formulated penetrating compound.

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Ingredient</th>
<th>CAS Number</th>
<th>Weight</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medium Petroleum Ether</td>
<td>64742-48-7</td>
<td>&lt;23%</td>
<td>100 ppm</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Tert-Butanol</td>
<td>84-61-6</td>
<td>&lt;80%</td>
<td>25 ppm</td>
<td>25 ppm</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>124-38-9</td>
<td>&lt;5.0%</td>
<td>5600 ppm</td>
<td>5000 ppm</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

***EMERGENCY OVERVIEW***

Combs under pressure. Do not puncture, incinerate or expose to temperatures above 120°F (49°C). Eye, skin and respiratory irritant.

POTENTIAL HEALTH EFFECTS

Routes of Exposure: Exposure may be by inhalation and/or skin or eye contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation and personal protective equipment.

Eye Contact: May cause irritation. Redness and itching or burning sensation may indicate excessive exposure.

Skin Contact: May cause irritation. Redness and itching or burning sensation may indicate excessive exposure.

Inhalation: May irritate the respiratory system. May cause nervous system depression. Headache, nausea, dizziness and loss of coordination are indications of excessive exposure to fumes, mists, or smoke. Extreme overexposure may result in unconsciousness and possibly death.

General: Reports have associated repeated and prolonged exposure to solvents with permanent brain and nervous system damage.

4. FIRST AID MEASURES

Eye Contact: Promptly flush with a large amount of water for at least 15 minutes. If irritation persists, consult a physician.

Skin Contact: Promptly wash with soap and water and rinse thoroughly. Remove contaminated clothing and launder before reuse. If irritation persists, consult a physician.

Inhalation: Remove to fresh air. Resume breathing if necessary. If irritation persists, consult a physician.

Ingestion: Do not induce vomiting. Nasal gags give anything by mouth to an unconscious person. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES


Lower Explosive Limit (LEL): 0.9

Upper Explosive Limit (UEL): 7.0

Autoignition Temperature: NA

Fire and Explosion Hazards: Gaseous containers may explode due to the build-up of pressure. Application to hot surfaces requires special precautions. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Extinguishing Media: Carbon dioxide, dry chemical, foam

Fire Fighting Instructions: Pull protective equipment including self-contained breathing apparatus should be used. Water spray maybe ineffective. If water is used, fog nozzles are preferable. Water may be used to cool adjacent containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate and remove with inert absorbent. Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Do not incinerate. Disposal must be in accordance with all Federal, State and Local Regulations regarding pollution and waste disposal.

7. HANDLING AND STORAGE

Keep dry from heat, flames, sparks or other sources of ignition. Condensate NFPA Code. Use approved handling and grounding procedures. Contents under pressure. Do not puncture, incinerate or expose to temperature above 120°F (49°C). Flame from sunlight, radiators, stoves, hot water and other heat sources could cause container to burst. Do not take internally. Intentional misuse by deliberately concentrating and inhaling the contents can be hazardous or fatal. Keep out of reach of children. Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Local exhaust preferable. General exhaust acceptable if the exposure to materials is maintained below applicable exposure limits. PPE

Personal Protective Equipment:

Respiratory: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted NIOSH-approved organic vapor/particulate respirator.

Eye: Wear approved safety glasses with unperturbed side shields.

Skin: Wear chemically impervious gloves.

Other: An emergency eyewash station should be available in case of accidental eye contact.
9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber.
Physical State: Liquid aerosol.
Product Weight: 10.70 lbs/fl oz (125 g/l).
Boiling Point: < -14 to -16 °F, < -18 to -21 °F
Melting Point: NA
Evaporation Rate: Faster than Ether.
Vapor Pressure at 70°F: NA

Odor: Ethereal.
pH: NA
Specific Gravity: 1.29
Volatile Volume: 96%
Vapor Density: Heavier than air.
Solubility in Water: NA
Volatile Weight: 19.75% (less Federal Exempt Solvents).

10. STABILITY AND REACTIVITY

Stability: Stable.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Heat, sparks, flames or other sources of ignition.
Incompatibility: None expected.
Hazardous Decomposition Products: By Fire: Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride.

11. TOXICOLOGICAL INFORMATION

Tetrahydrothylene is listed by NTP and IARC as a potential human carcinogen and by OSHA as a potential human carcinogen.

12. ECOLOGICAL INFORMATION

NA

13. DISPOSAL CONSIDERATIONS

Do not incinerate. Disperse in containers. Waste from this product may be hazardous and as defined under the Resource Conservation and Recovery Act (RCRA)-CFR 261. RCRA Code for Tetrahydroethylene (Hexaethylene) is U2210. Dispose of in accordance with Federal, State and Local Regulations regarding pollution and waste disposal.

14. TRANSPORT INFORMATION

DOT Shipping Date: Consumer Commodity, ORM-D
Canadian TDG: Stacked for Territorial shipment authorized under Section 5.2 (1) of the Canadian Transportation of Dangerous Goods.
For International and Air Shipment: ATEX-VIT, Non-Flammable, Contacting Substances in Division 6.1, Packing Group III, 7, 7, UN1930.

15. REGULATORY INFORMATION

TSV:
All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.

CERCLA:
All ingredients in this product are listed or exempt from listing on the CERCLA/NPL.

Proposition 65:
This product contains a chemical known to the state of California to cause cancer, birth defects or other reproductive harm.

CHMICAL | CAS | Weight
--- | --- | ---
Tetrahydrothylene | 127-18-4 | 75%

SARA 313:
This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372.65(c)):

CHMICAL | CAS | Weight
--- | --- | ---
Tetrahydrothylene | 127-18-4 | 75%
Baryum Compound | NA | 3.0%

HMIS Classification: Health = 2 Flammability = 0 Reactivity = 0 Personal Protection = B

W/HMIS Classification: Class B, Division 5; Class D, Division 2B

16. OTHER INFORMATION

NA = Not Available or Not Applicable.
NE = Not Established.

Read and follow all label directions and precautions before using the product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE KEEP OUT OF THE REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.

HEALTH AND SAFETY INFORMATION:
(219) 861-7114
Completed: October 2003
Replaces: May 2002
Completed By: Regulatory Affairs Specialist.