

MATERIAL SAFETY DATA SHEET

State Chemical Division – State Industrial Products
3100 Hamilton Avenue, Cleveland, OH 44114 (216) 861-7114

State Chemical Ltd.
1745 Meyerside Dr., Unit #1, Mississauga, Ontario L5T 1C6 (905) 670-4669

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **GREASE-B-GONE**
Product Description: Drain cleaner and degreaser.

24 Hour Emergency CHEMTREC Number: 800-424-9300
MSDS Number: 700144

2. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Hazardous Ingredients</u> | <u>CAS Number</u> | <u>Weight</u> | <u>ACGIH</u> | <u>OSHA</u> |
|------------------------------|-------------------|---------------|--------------|-------------|
| Orange Terpenes | 5989-27-5 | < 98% | NE | NE |
| Ethoxylated Alcohols | 66455-14-9 | < 3.0% | NE | NE |

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Combustible liquid. May be harmful if swallowed. May cause eye, skin and respiratory irritation.

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause eye irritation.
Skin Contact: May cause skin irritation. Avoid prolonged skin contact. May cause dermatitis.
Inhalation: May cause irritation of the respiratory tract.
Ingestion: May be harmful if swallowed. May cause gastro-intestinal disturbances.
General: May aggravate existing lung and skin conditions.

4. FIRST AID MEASURES

Eye Contact: Promptly flush with a large amount of water for at least 15 minutes. Consult a physician if symptoms persist.
Skin Contact: Promptly wash with soap and water and rinse thoroughly. Remove contaminated clothing and laundry before reuse. If irritation persists, consult a physician.
Inhalation: Remove to fresh air. If irritation persists, consult a physician.
Ingestion: Do not induce vomiting. Never give anything to an unconscious person. Contact a physician immediately.

5. FIRE FIGHTING MEASURES

Flashpoint(Method): 120°F; 49°C (TCC)
Lower Explosive Limit(LEL): NA Upper Explosive Limit(UEL): NA Autoignition Temperature: NA
Flammable Properties: Keep away from heat, flames, sparks or other sources of ignition. May form flammable mixtures with air when heated to flash point.
Unusual Fire & Explosion Hazards: Improper handling of solvent soaked rags can cause spontaneous combustion. Before disposal, wash rags with soap and water and dry in well-ventilated area or store in a fireproof container with no other flammable or combustible materials present.
Extinguishing Media: Carbon Dioxide, dry chemical, foam.
Fire Fighting Instructions: Wear self-contained breathing apparatus and full protective clothing. Contains oil, water is not effective in fire fighting. Water may be used to cool closed containers to prevent possible explosive when exposed to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Ventilate area. Use absorbent to pick up residue and dispose of properly. Avoid discharge to natural waters.
Large Spills: Halt spill at source, dike and contain spill. Use absorbent to pick up residue and transfer to a proper container. Dispose of in accordance with Federal, State and Local regulations.

7. HANDLING AND STORAGE

This product is for industrial use only. Use with adequate ventilation. Wash thoroughly after handling. Do not take internally. Harmful if swallowed. Do not reuse empty containers. Empty product containers may contain product residue. Avoid contact with skin, eyes and clothing. Do not mix with other chemicals. Keep out of reach of children. Keep containers closed when not in use. Store in a well-ventilated area. Do not store with strong oxidizers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use general or local ventilation to keep exposure levels below exposure limits.
Personal Protective Equipment:
Respiratory: If personal exposure cannot be controlled below applicable limits by ventilation, wear a NIOSH approved, properly fitted organic vapor/particulate respirator.
Eye: Safety glasses or goggles with unperforated sideshields are recommended.
Skin: Wear chemically impervious gloves such as Nitrile.
Other: An emergency eyewash station or source of clean potable water should be available in case of accidental eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------|------------------------|-------------------|---------------|
| Appearance: | Clear | Odor: | Citrus |
| Physical State: | Liquid | pH: | NA |
| Boiling Point: | 221°F; 105°C | Evaporation Rate: | NA |
| Solubility in Water: | Emulsifiable | Specific Gravity: | 0.838 - 0.848 |
| Density: | 7.0 lbs/gal; 0.84 kg/L | VOC Content: | 97% |

10. STABILITY AND REACTIVITY

Stability: Stable.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Heat, sparks or open flame.
Incompatibility: Oxidizing agents.
Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide.

11. TOXICOLOGICAL INFORMATION

IARC / NTP / OSHA: This product contains no ingredient at 0.1% or greater that is listed as a human carcinogen.

| <u>Hazardous Ingredients</u> | <u>CAS Number</u> | <u>LD50</u> | <u>LC50</u> |
|------------------------------|-------------------|---------------------------|-------------|
| Orange Terpenes | 5989-27-5 | 5.6-6.6 g/kg (mouse oral) | NE |
| Ethoxylated Alcohols | 66455-14-9 | 4.6 g/kg(oral rat) | NE |

12. ECOLOGICAL INFORMATION

NA

13. DISPOSAL CONSIDERATIONS

Do not reuse empty containers. Dispose of in accordance with the Federal, State, and Local regulations regarding pollution. Avoid discharge to natural waters.

14. TRANSPORT INFORMATION

DOT Shipping Data: Combustible Liquid. Ships as non-hazardous due to limited quantity exemption.
Canadian TDG: Shipped in accordance with 49 CFR as part of a transborder shipment authorized under Section 5.2 (1) of the Canadian Transportation of Dangerous Goods.

For International and Air Shipments of 1 gallon and smaller sized containers: Dangerous Goods Limited Quantity.
For International and Air Shipments of containers larger than 1 Gallon: Flammable Liquid N.O.S. (Terpene Hydrocarbon), 3.3, UN1993, III

15. REGULATORY INFORMATION

TSCA: All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.
CEPA: All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDSL.
Proposition 65: Raw materials used in this product have identified the opportunity for the presence of very low levels of the following Proposition 65 chemicals:
Ethylene Oxide (75-21-8) < 0.20 ppm, Naphthalene (91-20-3) < 30 ppm.

SARA 313: This product contains no 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).

HMIS RATING: HEALTH = 1 FLAMMABILITY = 2 REACTIVITY = 0 PPE = B

WHMIS RATING: Class B, Division 3; 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. This product is 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: (216) 861-7114

Completed On: January 2006

Replaces: January 2003

Completed By: Regulatory Affairs

MATERIAL SAFETY DATA SHEET

Maintained every 4 weeks

State Chemical Division – State Industrial Products
3100 Hamilton Avenue, Cleveland, OH 44114 (216) 861-7114

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **LINE BAC'R**
Product Description: A grease trap maintainer.

24 Hour Emergency CHEMTREC Number: 800-424-9300
MSDS Number: 114034

2. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Hazardous Ingredients</u> | <u>CAS Number</u> | <u>Weight</u> | <u>ACGIH</u> | <u>OSHA</u> |
|------------------------------|-------------------|---------------|--------------|-------------|
| Bacterial Concentrate | Proprietary | < 1.0% | NA | NA |
| Ethoxylated Alcohols | 68439-46-3 | < 2.0% | NA | NA |

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Direct contact may cause eye irritation.

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause eye irritation.
Skin Contact: Prolonged or repeated exposure may cause irritation.
Inhalation: None known.
Ingestion: May be harmful if swallowed. May cause nausea, vomiting, diarrhea.
General: May cause infections if in contact with open wounds.

4. FIRST AID MEASURES

Eye Contact: Promptly flush with a large amount of water for at least 15 minutes. Contact a physician if symptoms persist.
Skin Contact: Promptly wash with soap and water and rinse thoroughly. Remove contaminated clothing and shoes. Launder clothing before reuse. If irritation persists, contact a physician.
Inhalation: Remove to fresh air. If irritation persists, contact a physician.
Ingestion: Give two glasses of water. Induce vomiting. Never give anything to an unconscious person. Contact a physician immediately.

5. FIRE FIGHTING MEASURES

Flashpoint: None to boiling point.
Lower Explosive Limit(LEL): NA Upper Explosive Limit(UEL): NA Autoignition Temperature: NA
Flammable Properties: None expected.
Extinguishing Media: Carbon Dioxide, water, dry chemical, foam.
Fire Fighting Instructions: Wear self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Ventilate area. Use absorbent to pick up residue and dispose of properly. Dispose of in accordance with Federal, State and Local Regulations regarding waste disposal.

7. HANDLING AND STORAGE

Handling: Use with adequate ventilation. Wash thoroughly after handling. Do not take internally. Harmful if swallowed. Empty product containers may contain product residue. Avoid contact with skin, eyes and clothing. Do not mix with other chemicals.
Storage: Keep out of reach of children. Keep containers closed when not in use. Store in a well-ventilated area at 40°F (4°C) to 90°F (32°C).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use general or local ventilation to keep exposure levels below exposure limits.
Personal Protective Equipment:
Respiratory: Typically not required.
Eye: Wear safety glasses or goggles with unperforated sideshields.
Skin: Wear chemically impervious gloves if prolonged or repeated contact will occur.
Other: An emergency eyewash station or source of clean potable water should be available in case of accidental eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------|----------|-------------------------|-----------|
| Appearance: | Milky | Odor: | Mild |
| Physical State: | Liquid | pH: | 6.5 - 8.0 |
| Boiling Point: | 212°F | Freezing/Melting Point: | NA |
| Solubility in Water: | Complete | Specific Gravity: | 1.006 |
| VOC Content: | 0% | Evaporation Rate: | NA |

10. STABILITY AND REACTIVITY

Stability: Stable.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Heating and freezing.
Incompatibility: Strong acids or bases may deactivate.
Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide.

11. TOXICOLOGICAL INFORMATION

IARC / NTP / OSHA: This product contains no ingredient at 0.1% or greater that is listed as a human carcinogen.

| <u>Hazardous Ingredients</u> | <u>CAS Number</u> | <u>LD50</u> | <u>LC50</u> |
|------------------------------|-------------------|---------------------|-------------|
| Bacterial Concentrate | Proprietary | NE | NE |
| Ethoxylated Alcohols | 68439-46-3 | 2.7 g/kg (oral rat) | NE |

12. ECOLOGICAL INFORMATION

NA

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with the Federal, State, and Local regulations regarding pollution and waste disposal. Product as formulated contains no listed hazardous wastes and meets none of the definitions of unspecified hazardous wastes.

14. TRANSPORT INFORMATION

DOT Shipping Data: Not regulated
Canadian TDG: Not available for sale in Canada.

15. REGULATORY INFORMATION

TSCA: All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.
CEPA: All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDSL.

Proposition 65: Raw materials used in this product have identified the opportunity for the presence of very low levels of the following California Proposition 65 chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: Ethylene Oxide (75-21-8). We have tested a representative sample of this product for the presence of these chemicals and have found none to be present at above analytical detection limits.

VOC Content: Product category not currently VOC regulated.

SARA 313: This product contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR372).

HMIS RATING: HEALTH = 1 FLAMMABILITY = 0 REACTIVITY = 0 PPE = B

WHMIS RATING: Not available for sale in Canada.

16. OTHER INFORMATION

NA = Not Available or Not Applicable
NE = Not Established

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HEALTH AND SAFETY INFORMATION: (216) 861-7114

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Replaces: February 2006

Completed By: Regulatory Affairs