

SAFETY DATA SHEET

State Chemical Division – State Industrial Products
5915 Landerbrook Drive, Mayfield Heights
Ohio 44124-4034 -- 866-747-2229

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

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **GLASS BRIGHT**
Product Description: A formulated glass cleaner.

24 Hour Emergency CHEMTREC Number: 800-424-9300
MSDS Number: M00334

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Flammable Liquid - Category 2
WARNING



Hazard Statements:
H226 Flammable liquid and vapour.
H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.
H315 Causes skin irritation.
H320 Causes eye irritation

Precautionary Statements:
P210 Keep away from heat, sparks and open flames. — No smoking.
P233 Keep container tightly closed.
P261 Avoid breathing fume.
P264 Wash hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves, protective clothing, and eye protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Hazardous Ingredients</u> | <u>CAS Number</u> | <u>Weight</u> | <u>ACGIH</u> | <u>OSHA</u> |
|---------------------------------|-------------------|---------------|--------------|-------------|
| Ethanol | 64-17-5 | < 20% | 1000 ppm | 1000 ppm |
| Isopropanol | 67-63-0 | < 12% | 400 ppm | 400 ppm |
| Ethylene Glycol Monobutyl Ether | 111-76-2 | < 2.0% | 25 ppm | 50 ppm |

4. FIRST AID MEASURES

P301+P312 IF SWALLOWED: call a POISON CENTER or physician IF you feel unwell.
P302+P352 IF ON SKIN: wash with plenty of soap and water.
P362 Take off contaminated clothing and wash before reuse.
P304+P312 IF INHALED: Call a POISON CENTER or physician if you feel unwell.
P304+P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 IF eye irritation persists: Get medical advice/attention.
P370+P378 In case of fire: Refer to SDS for extinguishing media.

5. FIRE FIGHTING MEASURES

Flashpoint(Method): 80°F[27°C] (TCC).
Lower Explosive Limit(LEL): 3.3 Upper Explosive Limit(UEL): 19.0 Autoignition Temperature: > 662°F [350°]
Flammable Properties: Keep away from heat, flames, sparks or other sources of ignition. Vapors may be heavier than air and may travel along ground to a distant ignition source and flash back. May produce a floating fire hazard.
Extinguishing Media: Carbon Dioxide, dry chemical and foam.
Fire Fighting Instructions: Wear self-contained breathing apparatus and full protective clothing. Toxic gasses may be released. Water may be used to cool closed containers to prevent possible explosion when exposed to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate area. Halt spill at source, dike and contain spill. Use absorbent to pick up residue and transfer to proper container. Small spills can be flushed with large amounts of water to nearest drain. Avoid discharge to natural waters. Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability and extractability to determine the applicable EPA hazardous waste numbers. Dispose of in accordance with Federal, State and Local Regulations.

7. HANDLING AND STORAGE

Handling: This product is for industrial use only. Keep away from heat, flames, sparks or other sources of ignition. Use with adequate ventilation. Use approved grounding procedures. 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. Do not cut, heat, weld or pressurize containers. Use non-sparking tools. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.
Storage: 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. Keep away from sunlight, heat and all sources of ignition. Do not store near heat, sparks or open flames. Store at 40°F (4°C) to 90°F (32°C). Do not weld or cut empty drums. Do not reuse empty drums.
P403+P235 Store in a well-ventilated place. Keep cool.

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 an approved, properly fitted organic vapor/particulate respirator. |
| Eye: | Safety glasses or goggles with unperforated sideshields. |
| Skin: | Wear chemically impervious gloves. |
| 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 blue-green. | Odor: | Fragranced and Ammonia. |
| Physical State: | Liquid. | pH: | 10.60 |
| Boiling Point: | 185°F - 212°F [85°C - 100°C] | Freezing/Melting Point: | NA |
| Solubility in Water: | Complete. | Specific Gravity: | 0.95 |
| Product Weight: | 7.9 lbs/gal [0.95 kg/L] | VOC Content: | < 4% |

10. STABILITY AND REACTIVITY

| | |
|-----------------------------------|---|
| Stability: | Stable. |
| Hazardous Polymerization: | Will not occur. |
| Conditions to Avoid: | Heat, sparks, open flames or other sources of ignition. |
| Incompatibility: | Oxidizing agents, acids, alkalis. |
| Hazardous Decomposition Products: | Carbon Dioxide, Carbon Monoxide, Ammonia. |

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> |
|---------------------------------|-------------------|-----------------------|------------------------------------|
| Ethanol | 64-17-5 | 13.7 ml/kg (rat oral) | 15.3 g/l/96 hr (flathead minnow) |
| Isopropanol | 67-63-0 | 5045 mg/kg (rat oral) | 11,830 mg/l/1 hr (flathead minnow) |
| Ethylene Glycol Monobutyl Ether | 111-76-2 | 1480 mg/kg (rat oral) | 700 ppm/7 hr (mouse) |

12. ECOLOGICAL INFORMATION

NA

13. DISPOSAL CONSIDERATIONS

Waste from this product may be hazardous as defined under RCRA 40 CFR 261. Dispose of in accordance with the Federal, State, and Local Regulations regarding pollution. Avoid discharge to natural waters.

P501 Dispose of container to in accordance with all Federal, State and Local Regulations regarding waste disposal.

14. TRANSPORT INFORMATION

DOT Shipping Data:

For cases of gallons and smaller sizes: Consumer Commodity, ORM-D. After 12/31/13; Ship: Limited Quantity
For drum sizes and international shipments: Flammable Liquids, N.O.S. (Ethanol, Isopropanol), 3, UN1993, III

Canadian TDG:

For cases of gallons and smaller sizes: Consumer Commodity, ORM-D. After 12/31/13; Ship: Limited Quantity
For drum sizes and transborder shipments: Flammable Liquids, N.O.S. (Ethanol, Isopropanol), 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: This product may contain trace amounts of chemicals known to the state of California to cause cancer, birth defects or other reproductive harm:

Ethylene Glycol Monoethyl Ether 110-80-5 < 10 ppm
Acetaldehyde 75-07-0 < 1 ppm

VOC: This product as regulated by California and other states, is classified as a "Glass Cleaner" with a maximum VOC content of 4%.

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 (40CFR372):
Glycol Ethers < 2.0%

HMIS Rating: HEALTH = 2 FLAMMABILITY = 3 REACTIVITY = 0 PPE = B

WHMIS Rating: Class B, Division 2; 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

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