

S A F E T Y D A T A S H E E T



3141 Clifty Drive • Madison, IN 47250

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

NAME:

GLASS CLEANER

TYPE:

PRODUCT #

Glass Cleaner

727051

FOR INDUSTRIAL USE ONLY – KEEP OUT OF THE REACH OF CHILDREN

EMERGENCY RESPONSE INFORMATION:

| | | |
|------------------|--------------|-----------------------|
| CHEMTRIC | 800-424-9300 | 24-Hour Service |
| Company Offices: | 812-273-6000 | Weekdays |
| Cara Cyrus: | 812-599-3611 | Evenings and Weekends |
| Bill Torline: | 812-599-4976 | Evenings and Weekends |

PREPARED DATE:

04-01-15

PREPARED BY:

Marjorie E. Hare

SECTION 2: HAZARDS IDENTIFICATION

| | | | |
|--------------------------|---|---|--------------------------------------|
| GHS Classification | Flammable Liquids Acute Toxicity, Oral Acute Toxicity, Dermal Serious Eye Damage/Eye Irritation Aquatic Toxicity (Acute) | Category 4 Category 5 Category 5 Category 2B Category 3 | H227 H303 H313 H320 H402 |
| Signal Word | WARNING | | |
| Symbol | No symbol required. | | |
| Hazard Statements | H227 Combustible liquid. H303 May be harmful if swallowed. H313 May be harmful in contact with skin. H320 Causes eye irritation. H402 Harmful to aquatic life. | | |
| Precautionary Statements | P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P235 Keep cool. P264 Wash hands, forearms, and exposed areas thoroughly after handling. P240 Ground/bond container and receiving equipment. P242 Use only non-sparking tools. P264 Wash hands, forearms, and exposed areas thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301 + P330 IF SWALLOWED: rinse mouth. P302 + P362 + P364 IF ON SKIN: Take off contaminated clothing and wash it before reuse. P304 + P340 IF INHALED: Remove person 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. P313 Get medical advice/attention. P363 Wash contaminated clothing before reuse. P370 + P378 In case of fire: Use appropriate media to extinguish. P403 Store in a well-ventilated place. P501 Dispose of contents / container according to local, regional, national and international regulations. | | |

SAFETY DATA SHEET

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| COMPONENT | SYNONYM | CAS NO. | % BY WEIGHT |
|-------------------|-------------------------|---------|-------------|
| Isopropyl alcohol | 2-propanol, Isopropanol | 67-63-0 | 1 – 10 |

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

| | |
|----------------------------|---|
| EYES: | Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a physician. |
| SKIN: | Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a physician. Remove contaminated clothing and shoes. Do not put contaminated clothing and shoes back on. Wash clothing and shoes thoroughly in soap and water; rinse repeatedly in clean water and dry before reuse. |
| INGESTION: | INDUCE VOMITING. Give water. Call a physician. DO NOT give anything by mouth if the person is unconscious or if having convulsions. |
| INHALATION: | Move subject to fresh air and get medical attention. |
| PRIMARY ROUTE(S) OF ENTRY: | Eyes, ingestion. |

MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE AND DELAYED:

| | |
|-------------------|---|
| EYE CONTACT: | Contacted areas may exhibit irritation. |
| SKIN CONTACT: | Contacted areas may exhibit irritation. |
| INGESTION: | May be harmful if swallowed. |
| INHALATION: | No hazard in normal industrial use. |
| CHRONIC SYMPTOMS: | None expected under normal conditions of use. |

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

If you experience any of the symptoms / effects listed above seek medical advice.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use extinguishing media as appropriate for surrounding fire.

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Not considered flammable or explosive. Hazardous reactions will not occur under normal conditions.

ADVICE FOR FIRE FIGHTERS:

Wear self-contained breathing apparatus and full protective clothing. Use water spray to keep containers cool.

Hazardous Combustion Products: Oxides of carbon, oxides of nitrogen.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:

Avoid all contact with skin, eyes and clothing. Wear safety eyewear to protect against unexpected splashes. Wear suitable protective clothing. Use NIOSH / MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Contain liquid spills with sand and absorb on inert material. Dispose with solid waste. See Waste Disposal Method. Do not discharge to sewers or waterways without proper treatment.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Wear proper safety equipment when handling this product. Handle in accordance with good industrial hygiene and safety procedures.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:

Normal for alkaline materials. Store away from acids. Keep container closed when not in use. Keep from freezing. Store between 41°F and 100°F.

SAFETY DATA SHEET

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:**CHEMICAL IDENTITY**

Isopropyl alcohol

CAS NO.

67-63-0

OSHA PEL

400 ppm

ACGIH TLV

400 ppm

ENGINEERING CONTROLS:

Not needed for normal use.

INDIVIDUAL PROTECTION MEASURES:

Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. The following information may be used to assist in PPE selection.

RESPIRATORY PROTECTION:

Not needed for normal use.

SKIN PROTECTION:

Impermeable gloves. Other equipment as required to avoid contact.

EYE PROTECTION:

Safety eyewear to protect against unexpected splashes.

GENERAL HYGIENE CONSIDERATIONS:

Eyewash facility and emergency shower should be in close proximity. Always wash hands after handling any chemical.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Clear, blue liquid.

ODOR:

Mild.

ODOR THRESHOLD:

Not available.

pH (100%):

8.0 – 9.0

MELTING POINT/FREEZING POINT

36°F.

INITIAL BOILING POINT AND BOILING RANGE

212°F (100°C)

FLASH POINT (METHOD USED)

Greater than 140°F (TOC, ASTM D 1310).

EVAPORATION RATE

1.0 (water = 1).

FLAMMABILITY (SOLID, GAS)

Not available.

UPPER/LOWER FLAMMABLE OR EXPLOSIVE LIMIT

Not available.

VAPOR PRESSURE

Not available.

VAPOR DENSITY

Not available.

SPECIFIC GRAVITY

1.0

SOLUBILITY IN WATER

Complete.

PARTITION COEFFICIENT: N-OCTANOL/WATER

Not available.

AUTO-IGNITION TEMPERATURE

Not available.

VISCOSITY, DYNAMIC

Not available.

DECOMPOSITION TEMPERATURE

Not available.

VISCOSITY

Not available.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:

Hazardous reactions will not occur under normal conditions.

CHEMICAL STABILITY:

Stable under recommended handling and storage conditions (see Section 7).

POSSIBILITY OF HAZARDOUS REACTIONS:

Hazardous polymerization will not occur.

CONDITIONS TO AVOID:

No data found

INCOMPATIBLE MATERIALS:

Strong oxidizing agents, acids.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon, oxides of nitrogen.

SAFETY DATA SHEET

SECTION 11: TOXOLOGICAL INFORMATION

| | |
|--|--|
| ACUTE TOXICITY: | Not classified. |
| LD50 AND LC50 DATA: | Not available. |
| ROUTES OF EXPOSURE / SYMPTOMS | |
| EYES: | Contacted areas may exhibit irritation. |
| SKIN: | Contacted areas may exhibit irritation. |
| INGESTION: | May be harmful if swallowed. |
| INHALATION: | No hazard in normal industrial use. |
| GERM CELL MUTAGENICITY: | Not classified. |
| TERATOGENICITY: | Not available. |
| CHRONIC EFFECTS / | This material contains no ingredient above de minimus concentrations known or suspected to cause cancer. |
| CARCINOGENICITY: | |
| SPECIFIC TARGET ORGAN TOXICITY (Repeated exposure): | Not classified. |
| REPRODUCTIVE TOXICITY: | Not classified. |
| SPECIFIC TARGET ORGAN TOXICITY (Single exposure): | Not classified. |
| ASPIRATION HAZARD: | Not classified. |
| COMPONENT INFORMATION: | |
| Isopropyl alcohol | LD50 Oral Rat: 5,840 mg/kg LD50 Dermal: 13,900 mg/kg LC50 Inhalation: No data |

SECTION 12: ECOLOGICAL INFORMATION

| | |
|---------------------------------------|--|
| ECOTOXICITY | The ecotoxicity of this product is not known |
| COMPONENT INFORMATION | |
| Isopropyl alcohol | Not expected to be harmful to aquatic organisms. |
| PERSISTENCE AND DEGRADABILITY: | Not available. |
| BIOACCUMULATIVE POTENTIAL: | Not available. |
| MOBILITY IN SOIL: | Not available. |
| OTHER ADVERSE EFFECTS: | This material contains no hazardous air pollutants (HAPS). |

SECTION 13: DISPOSAL CONSIDERATIONS

| | |
|------------------------------|--|
| WASTE DISPOSAL METHOD | Normal for alkaline wastes. Dispose in accordance with local, state and federal regulations. |
|------------------------------|--|

SECTION 14: TRANSPORTATION INFORMATION

| | |
|----------------------------------|---------------------------------|
| DOT PROPER SHIPPING NAME: | Compound, cleaning, NOI, liquid |
| HAZARD CLASS: | Not applicable. |
| IDENTIFICATION NUMBER: | Not applicable. |
| PACKING GROUP: | Not applicable. |
| EMERGENCY RESPONSE GUIDE: | Not applicable. |

SAFETY DATA SHEET

SECTION 15: REGULATORY INFORMATION

VOC:
TSCA STATUS
CERCLA REPORTABLE QUANTITY

0 pounds per gallon (0 grams per liter).
All ingredients are listed on the TSCA inventory.
None established.

SARA 311 / 312 HAZARD CLASSES

| | |
|-------------------------------------|----------------------------|
| <input checked="" type="checkbox"/> | ACUTE HEALTH |
| | FIRE |
| | SUDDEN RELEASE OF PRESSURE |
| | CHRONIC HEALTH |
| | REACTIVE |

SARA 312 INFORMATION

Storage of 10,000 pounds or more may require filing a Tier 2 form. Threshold planning quantity for reporting is 10,000 pounds. This material is not an extremely hazardous substance (EHS).

SARA 313 INFORMATION

This material contains the following substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

CHEMICAL NAME
None

CATEGORY CODE

CAS NUMBER

% BY WEIGHT

STATE REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

California has not identified the ingredients listed in Section 3 as known to cause cancer or reproductive toxicity.

SECTION 16: OTHER INFORMATION

MSDS STATUS: Revised to GHS Standards on 04-01-15.

| | |
|-----------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 1 |
| PHYSICAL HAZARD | 0 |

FOR INDUSTRIAL USE ONLY – KEEP OUT OF THE REACH OF CHILDREN