

## Safety Data Sheet

Printing date 01/25/2024

Revised On 01/25/2024

## 1 Identification of the substance and manufacturer

**Trade name:** GLASS-KLEEN  
**Product code:** 7600, 9455, 9900, 8020  
**Recommended use:** Paint and coatings application.  
**Uses advised against:** Any that differs from the recommended use.  
**Manufacturer/Supplier:** TIFCO Industries, Inc.  
 PO Box 40277 Houston, TX 77420  
 Houston, TX 77240  
 phone: 281-571-6000

**Emergency telephone number:** 1-800-255-3924

## 2 Hazard(s) identification

## Classification of the substance or mixture

Flammable Aerosols 1 H222 Extremely flammable aerosol.  
 Gases under Pressure - Liquefied gas H280 Contains gas under pressure; may explode if heated.  
 Eye Irritation 2B H320 Causes eye irritation.

## Additional information:

## GHS Hazard pictograms



GHS02 GHS04

## Signal word

## Hazard statements

## Precautionary statements

Danger  
 Extremely flammable aerosol.  
 Contains gas under pressure; may explode if heated.  
 Causes eye irritation.  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 Do not spray on an open flame or other ignition source.  
 Pressurized container: Do not pierce or burn, even after use.  
 Wash thoroughly after handling.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical help.  
 Protect from sunlight. Store in a well-ventilated place.  
 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

## 3 Composition/information on ingredients

## Chemical characterization: Mixtures

**Chemical Description:** This product is a mixture of the substances listed below with nonhazardous additions.

## Dangerous components:

74-98-6	propane	1-5%
67-63-0	Isopropyl Alcohol	1-5%
111-76-2	Glycol Ether EB	1-5%
106-97-8	n-butane	1-5%

## 4 First-aid measures

**After inhalation:** Supply fresh air; consult doctor in case of complaints.  
**After skin contact:** Remove contaminated clothing. Wash exposed area with soap and water.  
**After eye contact:** Rinse opened eye for several minutes under running water.  
**After swallowing:** Rinse mouth with water. Do not induce vomiting.  
**Most important symptoms and effects:** Dizziness  
**Indication of any immediate medical attention needed:** No further relevant information available.

## 5 Fire-fighting measures

**Extinguishing agents:** CO2, extinguishing powder or water spray. Fight larger fires with water spray.  
**Special hazards:** No further relevant information available.  
**Protective equipment for firefighters:** A respiratory protective device may be necessary.

## 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Use respiratory protective device against the effects of fumes/dust/aerosol.

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**Methods and material for containment and cleaning up:** Absorb liquid components with liquid-binding material.

## 7 Handling and storage

**Precautions for safe handling** Use only in well ventilated areas.  
**Storage requirements:** Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions. Store locked up.

## 8 Exposure controls/personal protection

**Components with limit values that require monitoring at the workplace:**

## 74-98-6 propane

PEL (USA) Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm  
 REL (USA) Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm  
 TLV (USA) see Appendix F Minimal oxygen content ( D, EX)

## 67-63-0 Isopropyl Alcohol

PEL (USA) Long-term value: 980 mg/m<sup>3</sup>, 400 ppm  
 REL (USA) Short-term value: 1225 mg/m<sup>3</sup>, 500 ppm  
 Long-term value: 980 mg/m<sup>3</sup>, 400 ppm  
 TLV (USA) Short-term value: 400 ppm  
 Long-term value: 200 ppm  
 BEI, A4

## 111-76-2 Glycol Ether EB

PEL (USA) Long-term value: 240 mg/m<sup>3</sup>, 50 ppm  
 Skin  
 REL (USA) Long-term value: 24 mg/m<sup>3</sup>, 5 ppm  
 Skin  
 TLV (USA) Long-term value: 20 ppm  
 BEI, A3

## 106-97-8 n-butane

REL (USA) Long-term value: 1900 mg/m<sup>3</sup>, 800 ppm  
 TLV (USA) Short-term value: 1000 ppm  
 (EX)

**Ingredients with biological limit values:**

## 67-63-0 Isopropyl Alcohol

BEI (USA) 40 mg/L  
 Medium: urine  
 Time: end of shift at end of workweek  
 Parameter: Acetone (background, nonspecific)

## 111-76-2 Glycol Ether EB

BEI (USA) 200 mg/g creatinine  
 Medium: urine  
 Time: end of shift  
 Parameter: Butoxyacetic acid (BAA) (with hydrolysis)

**Hygienic protection:** Wash hands after use.  
 Do not eat or drink while working.  
**Breathing equipment:** A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a NIOSH approved respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygiene.  
**Hand protection:** Nitrile gloves.  
 The glove material must be impermeable and resistant to the substance.  
**Eye protection:** Tightly sealed goggles

## 9 Physical and chemical properties

**Appearance:** Aerosol.  
**Odor:** Aromatic  
**Odor threshold:** Not determined.  
**pH-value:** Not determined.  
**Melting point/Melting range** Undetermined.  
**Boiling point:** 100 °C (212 °F)  
**Flash point:** 13 °C (55.4 °F)  
**Flammability (solid, gas):** Extremely flammable.  
**Decomposition temperature:** Not determined.  
**Auto igniting:** Product is not self-igniting.

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**Danger of explosion:** In use, may form flammable/explosive vapour-air mixture.  
**Lower Explosion Limit:** Not determined.  
**Upper Explosion Limit:** Not determined.  
**Vapor pressure at 20 °C (68 °F):** 23 hPa (17.3 mm Hg)  
**Relative Density:** Between 0.77 and 0.85 (Water equals 1.00)  
**Vapor density:** Not determined.  
**Evaporation rate:** Not applicable.  
**Partition coefficient: n-octanol/water:** Not determined.  
**Solubility:** Not determined.  
**Viscosity:** Not determined.  
**Water:** 90.4 %

## 10 Stability and reactivity

**Reactivity:** Stable at normal temperatures.  
**Conditions to avoid:** Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing temperatures.  
**Chemical stability:** Not fully evaluated.  
**Possibility of hazardous reactions:** No dangerous reactions known.  
**Incompatible materials:** No further relevant information available.  
**Hazardous decomposition:** No dangerous decomposition products known.

## 11 Toxicological information

## LD/LC50 values that are relevant for classification:

## 67-63-0 Isopropyl Alcohol

Oral	LD50	4,570 mg/kg (rat)
Dermal	LD50	13,400 mg/kg (rab)
Inhalative	LC50/4 h	30 mg/l (rat)

## 111-76-2 Glycol Ether EB

Oral	LD50	1,200 mg/kg (ATE) 1,480 mg/kg (rat)
Dermal	LD50	400 mg/kg (rab)
Inhalative	LC50/4 h	3 mg/l (ATE)

**Information on toxicological effects:** No data available.  
**Skin effects:** No irritant effect.  
**Eye effects:** No irritating effect.  
**Sensitization:** No sensitizing effects known.

## 12 Ecological information

**Aquatic toxicity:** Hazardous for water, do not empty into drains.  
**Persistence and degradability:** The product is degradable after prolonged exposure to natural weathering processes.  
**Other information:** This product does not contain any chlorofluorocarbons (CFC's), hydrochlorofluorocarbons (HCFC's), perfluorocarbons (PFC's), heavy metals (chromium, lead, cadmium), or chlorinated solvents.  
**Bioaccumulative potential:** No further relevant information available.  
**Mobility in soil:** No further relevant information available.  
**Other adverse effects:** No further relevant information available.

## 13 Disposal considerations

Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.  
**Recommendation:** Completely empty cans should be recycled.  
**Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

**UN-Number:** UN1950  
**DOT:** UN1950  
**DOT:** Aerosols, flammable  
**ADR:** 1950 AEROSOLS  
**Transport hazard class(es):**  
**Class:** 2.2 Gases  
**Special precautions for user:** Warning: Gases  
**EMS Number:** F-D,S-U  
**Segregation groups:** Ammonium compounds, alkalis  
**Packaging Group:** --

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UN "Model Regulation": UN 1950 AEROSOLS, 2.2

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## 15 Regulatory information

## SARA Section 355 (extremely hazardous substances):

None of the ingredients in this product are listed.

## SARA Section 313 (Specific toxic chemical listings):

67-63-0 Isopropyl Alcohol

111-76-2 Glycol Ether EB

## Toxic Substances Control Act

(TSCA):

All hazardous ingredients are found on the inventory list of substances.

## Canadian Domestic Substances List

(DSL):

All ingredients are listed or exempted.

## Consumer Product Safety

Comission (CPSC):

This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

## California Proposition 65 chemicals known to cause cancer:

None of the ingredients in this product are listed.

## Prop 65 chemicals known to cause birth defects or reproductive harm:

None of the ingredients is listed.

## EPA:

111-76-2 Glycol Ether EB

NL

## 16 Other information

Contact: Regulatory Affairs