

MSDS

Brady Industries, HQ

Material Safety Data Sheet 1818

Conforms to ANSI Z-400.1-1993

Las Vegas , NV 89118

Chemtel 24 Hour Emergency Response (800) 255-3924

(800) 293-4698

1 Chemical Product and Company Identification

Product: #4 Bio-Based Glass & Surface Cleaner

Classification: Concentrated Glass Cleaner

F42

2 Composition/Information on Hazardous Ingredients

Material	CAS#	%	OSHA(PEL)	TLV(ppm)	Other
Ethyl Alcohol	64-17-5	<25	1000 ppm	1000 ppm	N/A
Acetic Acid	64-19-7	<2	10ppm	10ppm	N/A

3 Hazards Identification

Emergency Overview: Flammable. Keep away from open flame and sources of heat. May cause skin and eye irritation.
WARNING: Avoid skin and eye contact.

Contact with Eyes: Mild irritant.

Contact with Skin: Prolonged or repeated contact may cause irritation and drying of skin.

Skin Absorption: No data.

Ingestion Symptoms: Irritation, nausea, vomiting and diarrhea.

Inhalation Symptoms: Mild nasal and respiratory irritation with prolonged or repeated contact.

Chronic Effects: No data.

It is important to determine whether exposure is to concentrated or dilute product. The information in this document is intended to deal with exposure to concentrated product. Generally, exposure to diluted product will result in substantially less risk of injury than described herein.

4 First Aid Measures

Eyes: If eyes are contacted, flush with water for 15 minutes. If irritation persists seek medical attention.

Skin: If skin is contacted, wash affected area with soap and water. If irritation persists, seek medical attention.

Inhalation: If discomfort is experienced after prolonged exposure to mists/vapors, remove to fresh air. If breathing is difficult, give oxygen and seek medical attention.

Ingestion: If ingested, do NOT induce vomiting. Give moderate amounts of water to wash out mouth area and dilute remaining residue. Seek medical attention.

10/15/2010

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1818

#4 Bio-Based Glass & Surface Cleaner Page 1 of 3

5 Fire Fighting Measures

Flash Point(F° TCC): >200F

Flammable Limits: LEL No Data

UEL No Data

Auto Ignition Temperature: N/E

Extinguishing Media: Water Spray, Foam, Carbon Dioxide, Dry Chemical

Special Fire Fighting Procedures:

Firefighters should wear self contained breathing apparatus and full protective clothing.

Unusual Fire and Explosion Hazards:

Contact with strong oxidizers may cause fire or explosion.

6 Accidental Release Measures

Large Spills (55 gallons or more):

Eliminate all ignition sources and evacuate non-essential personnel. Wear protective clothing and rubber boots. Shut of source of leak if safe to do so. Dike and contain. Pump, vaccuum or scoop into salvage drum or container for disposal.

Small Spills:

Mop up spill and rinse area.

7 Handling and Storage

Handling: Keep out of reach of children. Follow appropriate hygiene practices.

Storage: Store in a cool, dry place.

8 Exposure Controls/Personal Protection

Ventilation and Engineering Controls:

Local exhaust

Respiratory Protection:

If used according to directions respirator not required.

Protective Gloves:

Rubber Gloves

Eye Protection:

Chemical Splash Goggles

Other Protective Equipment:

None

9 Physical and Chemical Properties

Boiling Point(F°): >212°F

Solubility in Water: Complete

Odor: Vinegar

Specific Gravity: 0.95

Volatiles(% by Wt.): 97

pH: 3 - 4

Appearance: Blue

Vapor Density: >1

VOC: < 260 g/L

Evaporation Rate: <1

Vapor Pressure: <17 mm Hg

Freezing Point(F°): <32°F

< means less than > means greater than

These physical data are typical values based on material tested but may vary from sample to sample.
Typical values should not be construed as a guaranteed analysis of any specific lot or as specific items.

10 Stability and Reactivity

Stability: Stable

Conditions to Avoid: Open Flame

Materials to Avoid: Strong Oxidizers

Hazardous Decomposition Products:

Carbon dioxide/monoxide

Hazardous Polymerization:

Will Not Occur

11 Toxicological Information

No Toxicology Information is available.

12 Ecological Information

No data available.

13 Disposal Considerations

Waste Disposal Method:

Dispose of waste in accordance with federal, state and local regulations

14 Transport Information

HAZMAT: Yes

Hazard Code: 1818

ID Number: UN1993

Hazard Class: 3

Hazardous Division: Flammable liquid, n.o.s.

Packaging Group: III

Hazardous Contents: Ethyl alcohol

15 Regulatory Information

Proposition 65: Not Listed.

EPA: No

16 Other Information

HMIS/NFPA Hazard Rating: **Health** **Flammability** **Reactivity**

The information contained herein is based on the data available to us. It is believed to be correct. No warranty, expressed or implied, is made regarding the accuracy of this data or the results to be obtained from the use thereof. For further information consult distributor, **Brady Industries, HQ**

MSDS Approval Date: 10/15/2010

10/15/2010

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1818

#4 Bio-Based Glass & Surface Cleaner Page 3 of 3