

MSDS

Material Safety Data Sheet **1104**

Conforms to ANSI Z-400, 1-1993

Chemtel 24 Hour Emergency Response (800) 255-3924

MAINTEX

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1. Chemical Product and Company Identification

Product: 4 Glass & Mirror Cleaner

Classification: Concentrated Glass/Mirror Cleaner

F47

2. Composition/Information on Hazardous Ingredients

Material	CAS#	%	OSHA (PEL)	TVL (ppm)	Other
Isopropanol	67-63-0	<40	400 ppm	400 ppm	N/A
2- Butoxyethanol*	111-76-2	<12	50 ppm	25 ppm	N/A

3. Hazards Identification

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

WARNING

Contact With Eyes: Slightly irritating.

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: Excessive exposure to mists/vapors may irritate respiratory tract and result in headache and nausea.

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.

5. Fire Fighting Measures

Flash Point (F° TCC): >120°F

Flammable Limits: LEL No Data UEL No Data

Auto-Ignition Temperature: No Data

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

Special Fire Fighting Procedures:

Firefighters should wear a positive pressure NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards:

Containers exposed to heat from fires should be cooled with water fog to prevent container rupture.

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

9. Physical and Chemical Properties

Boiling Point (F°): >212°F

Solubility In Water: Complete

Odor: Alcohol

Specific Gravity: .93

Volatiles (% by Wt.): 100

pH: 9 - 10

Appearance: Blue

Vapor Density: >1

VOC: <500 g/L

Evaporation Rate: <1

Vapor Pressure: <17 mm Hg

Freezing Point (F°): <32°F

Key: < means less than; > means greater than

These physical data are typical values based on material testing but may vary from sample to sample.

Typical values should not be constructed as a guaranteed analysis of any specific lot or specific item.

10. Stability and Reactivity

Stability: Stable

Conditions to Avoid: Temp. Extremes

Materials to Avoid: Strong Oxidizers

Hazardous Decomposition Products: Carbon oxides

Hazardous Polymerization: Will Not Occur

11. Toxicological Information

No Toxicology Information is available.

12. Ecological Information

No Ecological Information is available.

13. Disposal Considerations

Waste Disposal Method: Dispose of waste in accordance with federal, state and local regulations.

14. Transport Information

HAZMAT: Si **Hazard Code:** 1104 **ID Number:** UN1993 **Hazard Class:** 3
Hazardous Division: Flammable liquid, n.o.s. **Packaging Group:** III
Hazardous Contents: Isopropyl alcohol

15. Regulatory Information

Proposition 65: Not Listed.

*** This product is subject to the reporting requirements of SARA Title III.**

EPA: No

16. Other Information

HMIS/NFPA Hazard Rating: **Health** 2 **Flammability** 2 **Reactivity** 0

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