

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND DISTRIBUTOR'S INFORMATION	
NFPA Rating: Health-1; Flammability-1; Reactivity-0; Special-0	HMIS Rating: Health-1; Flammability-1; Reactivity-0; Personal Protection-8
Manufactured For: <b>HYKO-SUPPLY</b>	DOT Hazard Classification: <b>ORM-D</b>
Address: <b>1908 W INSUDTRIAL CIR, SLC UT</b>	Identity (trade name as used on label): <b>GLASS CLEANER AEROSOL</b>
Phone:	MSDS Number: 121 Revision: 18
Emergency Response Number:	Date Prepared: 08/29/94 Prepared By: ES/KD
NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA	
Information Calls: (770)422-2071	

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION					
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
ISOBUTANE/PROPANE BLEND	75-28-5	No	800	800	d
	74-98-6	No	1000	1000	d
AMMONIUM HYDROXIDE	1336-21-6	No	35	25	d
ISOPROPANOL	67-63-0	No	500	400	d

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS	
Boiling Point: N/A	Specific Gravity (H <sub>2</sub> O=1): Concentrate Only = 0.980
Vapor Pressure: PSIG @ 70°F (Aerosols): Max.60	Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A
Vapor Density (Air = 1): N/E	Evaporation Rate ( = 1): N/E
Solubility in Water: Soluble	Water Reactive: No
Appearance and Odor: White foam, mint fragrance and alcohol odor.	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA		
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) <b>NON-FLAMMABLE</b>	Auto Ignition Temperature N/E	Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E
FLASH POINT AND METHOD USED (non-aerosols): N/A		EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide, water.
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.		
Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture.		

SECTION 4 - REACTIVITY HAZARD DATA	
STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR
Incompatibility (Mat. to avoid): Strong oxidizers.	Conditions to Avoid: Open flame, welding arcs, heat.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.	

SECTION 5 - HEALTH HAZARD DATA	
PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS	
ACUTE EFFECTS:	
Inhalation: Excessive inhalation of vapors can be harmful & may cause headache, dizziness, asphyxia, anesthetic effects & possible unconsciousness.	Skin Contact: Slight irritation.
Eye Contact: Slight irritation.	Skin Contact: Slight irritation.
Ingestion: Possible chemical pneumonitis if aspirated into lungs. Nausea.	
CHRONIC EFFECTS: May cause headache, dizziness, nausea, possible unconsciousness if vapor concentration exceeds TLV.	
Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.	

EMERGENCY FIRST AID PROCEDURES	
Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention.	
Skin Contact: Wash with soap and water. If irritated, seek medical attention.	
Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.	
Ingestion: DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.	

SECTION 6 - CONTROL AND PROTECTIVE MEASURES	
Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by NIOSH to be used in a positive pressure mode.	
Protective Gloves: Disposable latex gloves suggested.	Eye Protection: Safety glasses recommended.
Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.	
Other Protective Clothing & Equipment: None	
Hygienic Work Practices: Wash with soap and water before handling food. Remove contaminated clothing.	

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE	
Steps To Be Taken if Material is Spilled Or Released: Flush to sewer with water.	
Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.	
Precautions To Be Taken in Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 130°F.	
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors.	

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.*

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only THIS MSDS IS CURRENT AS OF JANUARY 10, 2000. The DATE PREPARED section is the original date assembled and remains current until a change is necessary. This is tracked internally at the manufacturer by these date codes and therefore must remain as the originating date.