

# SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION

MANUF / DIST: AUTO GEM DISTRIBUTING LLC  
4145 S. US-27  
ST. JOHNS, MI 48879

PREPARER / CONTACT: CHUCK DILDINE  
PREPARER PHONE: 517/862-3841  
24 HOURS EMERGENCY PHONE: INFOTRAC 1-800-535-5053

TRADE NAME / SYNONYMS: **CRYSTAL GLASS CLEANER**

CHEMICAL NAME / SYNONYMS: NOT APPLICABLE

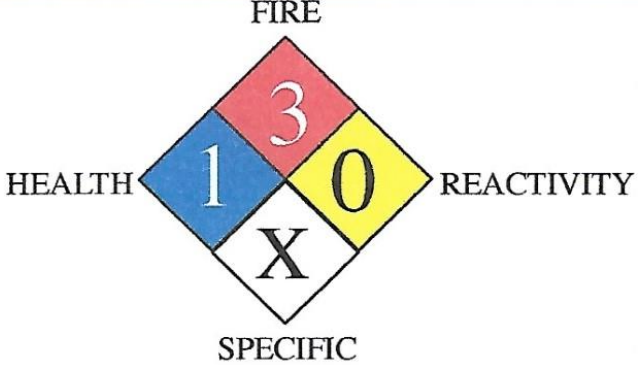
CHEMICAL FAMILY: NOT APPLICABLE

FORMULA: PROPRIETARY

PRODUCT CODE: NOT APPLICABLE

## SECTION 2. HAZARDOUS IDENTIFICATION

### HAZARDOUS MATERIAL IDENTIFICATION SYSTEM:

<p>HAZARD WARNING</p> <p>4 - Extreme</p> <p>3 - High</p> <p>2 - Moderate</p> <p>1 - Slight</p> <p>0 - Insignificant</p> <p>X- See Section IV &amp; V of SDS Sheet</p>	 <p>FIRE 3</p> <p>HEALTH 1</p> <p>REACTIVITY 0</p> <p>SPECIFIC X</p>
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Signal Word: WARNING! - FOR HEALTH EFFECTS (Acute and Chronic): SEE SECTION 11

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

NAMES OF HAZARDOUS INGREDIENTS: See CFR29§1910.1200 (i)-(13)

CHEMICAL / COMMON NAME	CAS#	PERCENTAGE	PEL-OSHA	TLV-ACGIH
2 Butoxy Ethanol (Skin)	111-76-2	<1	50PPM	25PPM
Isopropyl Alcohol	67-63-0	<1	400PPM	400PPM
Ammonia	7664-41-7	<0.5	50PPM	25PPM

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## SECTION 4 - FIRST AID MEASURES

### EMERGENCY FIRST AID PROCEDURES:

- a) Skin - Immediately flush skin with lots of running water for at least 30 minutes. Remove contaminated clothing and shoes wash before reuse.
- b) Eyes - In case of contact, immediately flush with plenty of water. If irritation persists, seek medical aid.
- c) Inhalation - If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.
- d) Ingestion - Immediately drink 2 glasses of water and induce vomiting by either giving IPECAC syrup or by placing fingers at the back of throat. Never give anything by mouth to an unconscious person. Get medical attention immediately.

## SECTION 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Not considered a fire hazard in mixed formulation.

SPECIAL FIRE FIGHTING PROCEDURES: None.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

INCOMPATIBILITY (Material To Avoid): Material that reacts with water.

Thermal decomposition of burning may produce oxides of carbon.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Absorb the large spill on suitable absorbent. Wash the residue down the drain or pit with plenty of water. Small spills can be flushed down the drain with plenty of water.

## SECTION 7 - HANDLING AND STORAGE

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

- a) Do not store under freezing conditions or above 120 degrees F.
- b) Protect from physical damage and keep tightly closed.
- c) Do not store near acids or acidic materials and oxidizers.
- d) Keep away from heat, sparks and open flames.
- e) Containers should be marked UN 1219 FLAMMABLE

### MAINTENANCE PRECAUTIONS:

When working with FLAMMABLE material electrically ground all equipment and use only non-sparking tools.

### OTHER PRECAUTIONS:

- a) Containers, even those that have been emptied will retain product residue and vapors. Always obey hazard warnings.
- b) Always ground metal containers while pouring.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### VENTILATION:

LOCAL EXHAUST: Below TLV(s)MECHANICAL (General) : Explosion Proof

SPECIAL: N/A OTHER: N/A

### RESPIRATORY PROTECTION:

An appropriate NIOSH approved hydrocarbon canister or respirator for organic vapor should be worn if needed.

### PROTECTIVE GLOVES:

Wear resistant gloves such as nitrile rubber, PVC, etc.

### OTHER PROTECTIVE EQUIPMENT:

Eye wash and quick drench facilities.

OTHER ENGINEERING CONTROLS: None Known

### WORK PRACTICES:

Eye wash fountain and safety shower should be easily accessible. Discard properly such items as rags and trash soaked with the product.  
Provide adequate ventilation.



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## HYGIENIC PRACTICES:

Avoid contact with eyes, skin and clothing. Avoid inhalation of product vapors. Wash thoroughly after handling and before eating, drinking or smoking. Remove contaminated clothing promptly and wash thoroughly before reused.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F):	>82.4°C	SPECIFIC GRAVITY (WATER=1):	0.815
VAPOR PRESSURE (mmHg):	N/D	PERCENT VOLATILE BY VOLUME (%):	100
VAPOR DENSITY (AIR=1):	N/D	EVAPORATION RATE (WATER=1):	< 1
SOLUBILITY IN WATER:	100%.	pH	N/A
FLASH POINT 59°F (IPA Component):		FLAMMABLE LIMITS: LEL= N/A UEL= N/A	
APPEARANCE,ODOR,VISCOSITY::	Blue thin liquid with fresh & clean odor.	Melting pt-N/A /freezing pt-N/A /Relative density N/A	

## SECTION 10 - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION WILL NOT OCCUR

THIS PRODUCT IS STABLE

## SECTION 11 - TOXICOLOGICAL INFORMATION

FOR NUMERICAL MEASURES OF TOXICITY SEE SECTION 3, COLUMNS (PEL-OSHA)AND(TLV-ACGIH)  
HEALTH EFFECTS (ACUTEAND CHRONIC):

### \*Acute\*:

- a) Eyes -Intense pain with tissue destruction.
- b) Skin - Prolonged or repeated contact can cause moderate irritation, defatting, and dermatitis.
- c) Inhalation - Breathing of dust or mist can cause mild to severe irritation of nasal or respiratory passage.
- d) Ingestion - Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### \*Chronic\*

- a) Inhalation may increase susceptibility to respiratory illness.
- b) Overexposure to glycol ethers (in its pure state) has been found to cause anemia, liver abnormalities, kidney damage, lung damage and blood abnormalities in laboratory animals.

### PRIMARY ROUTES OF ENTRY:

- a) Skin
- b) Inhalation

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to product.

THIS PRODUCT DOES NOT CONTAIN CARCINOGENS: (NTP, IARC, OSHA)

## SECTION 12 - ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: N/A

100% BIODEGRADABLE

ECOTOXICOLOGICAL INFORMATION: N/A

## SECTION 13 - DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL METHODS:

Dispose of according to local, state and federal regulations for biodegradable detergents.

## SECTION 14 - TRANSPORT INFORMATION

SHIPPING INFO, UN/NA #'s, SECONDARY LABEL INFO NECESSARY OR SUGGESTED:

**ISOPROPYL ALCOHOL MIXTURE, 3, UN1219, PG II, FLAMMABLE LIQUID**

**KEEP OUT OF THE REACH OF CHILDREN!**

## SECTION 15 - REGULATORY INFORMATION

THIS PRODUCT DOES NOT CONTAIN CARCINOGENS: (NTP, IARC, OSHA)

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## **SECTION 16 - OTHER INFORMATION**

### **KEEP OUT OF THE REACH OF CHILDREN!**

IN CLOSE COOPERATION OF THE US GOVERNMENT'S PAPER REDUCTION ACT, AND ALSO IN EFFORT TO PROVIDE FULL AND COMPLETE INFORMATION AS SUGGESTED BY THE OSHA GUIDELINES, AND KEEPING IN ALIGNMENT WITH THE SOCIETY for CHEMICAL HAZARD COMMUNICATION (SCHC) AND WE HAVE BEEN ABLE TO KEEP ALL IN 4 PAGES..

THESE SDS SHEETS ARE WRITTEN IN AN EFFORT TO PROVIDE INFORMATION TO THE WORKER IN THE WORKPLACE AND IN SUCH A WAY IT CAN BE UNDERSTOOD.

We have enjoyed many compliments as to the readability and understandable content, and take great pride in providing these Safety Data Sheets to the use of our customers.

The International Labour Organization has suggested 16 sections of the sheets, and we have re adjusted the 8 part, and rearranged the information, and renamed the sheets from MATERIAL Safety Data Sheets to SAFETY DATA SHEETS. THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE. IT IS PROVIDED FOR A CONTINUING SAFETY PROGRAM INITIATED BY THE MANUFACTURER/DISTRIBUTOR NAMED ON THIS SHEET. IT IS NOT INTENDED TO CONSTITUTE PERFORMANCE INFORMATION CONCERNING THE PRODUCT. NO EXPRESS WARRANTY, OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE WITH RESPECT TO THE PRODUCT OR THE INFORMATION CONTAINED HEREIN.

Please note that several items were left out of section 9 because they do not affect the worker in the workplace. Partition coefficient: n-octanol/water;  
• Auto-ignition temperature; • Decomposition temperature and Odor threshold.