

Section 1 – PRODUCT AND COMPANY INFORMATION

Manufacturer	IMS Company 10373 Stafford Road Chagrin Falls, OH 44023-5296	Emergency Phone Office Phone Prepared by Prepared/Revised E-mail	800-424-9300 440-543-1615 Product Safety Advisor June 18, 2007 sales@imscompany.com
	WEB imscompany.com		

Item Numbers	Container
132561	55 gallon drum
132562	5 gallon pail

Hazardous Material Information System

Health	1	Flammability	1	Reactivity	0	Protection	X
0 Normal use Material		0 Will Not Burn		0 Stable		X = Consult the	
1 Slight Hazard (temporary)		1 Possible to Burn		1 Unstable if Heated		MSDS and	
2 Health Affected (lengthy)		2 Burns if Heated		2 Violent Chemical Change		your supervisor	
3 Extreme Danger		3 Easily Burns		3 Shock and Heat Sensitive		for your special	
4 Severe or Fatal		4 Very Easily Burns		4 May Explode		workplace need	
* Chronic (Accumulates)							

NOTE The HMIS may not be enough hazard information for this chemical in all workplaces. The HMIS system requires employee training about the system and about information in this MSDS.

Section 2 – INGREDIENTS INFORMATION

Chemical/Common Name	CAS-Number	%	PEL-OSHA	TLV-ACGIH
Propylene Glycol	57-55-6	>94%	(1)	(1)
Inhibitor Blend	proprietary	<6%	(1)	(1)

(1) None Established

CARCINOGENICITY Ingredient is not listed by IARC, NTP, or regulated by OSHA as a carcinogen.

Section 3 – HAZARDS IDENTIFICATION

Effects of Overexposure:

Swallowing: No significant sign or symptoms indicative of any adverse health effect are expected as a result of ingestion. If more than several ounces are swallowed, abdominal discomfort, nausea, and diarrhea may occur.

Skin Absorption: No evidence of harmful effects from available information

Inhalation: May cause irritation to the nose and throat with headache, particularly from mist. High concentrations of vapor, by heating the material in an enclosed and poorly ventilated workplace, may cause nausea, vomiting, headache, dizziness and irregular eye movements.

Skin Contact: No evidence of harmful effects from available data.

Eye Contact: Injury to the cornea is not expected. Vapors may be moderately irritating, experienced as discomfort, excess blinking and tear production, with redness and swelling of the conjunctiva.

Section 3 – HAZARDS IDENTIFICATION (continued)

Routes of Exposure:

Inhalation: Airborne concentrations of mist or spray may cause damage to the upper respiratory tract and lung tissue.

Skin: This product may cause skin irritation with prolonged contact. A latent period may exist between exposure and sense of irritation.

Eye Contact: This product may irritate eye tissue on contact.

Ingestion: This product may cause abdominal discomfort.

Section 4 – FIRST AID MEASURES

EYES: Flush the eyes with copious amount of water for at least 15 minutes while forcibly holding the eye lids apart. This will ensure adequate flushing of the entire surface area. Washing out the eyes within the first few seconds is essential to achieve maximum effectiveness. Seek medical attention if necessary.

SKIN: Wash the entire area contacted with plenty of water for a least 15 minutes. Remove contaminated clothing and footwear. Wash clothing before reuse and discard leather articles such as shoes and belts. Seek medical attention if necessary.

INHALATION: Remove individual to fresh air; if breathing is difficult have a trained individual administer oxygen. If respiration stops, give mouth to mouth resuscitation. Get medical attention if necessary.

INGESTION: Never give anything by mouth to an unconscious person! If swallowed, give large quantities of water

INDUCE VOMITING. If vomiting occurs spontaneously, keep airway clear. Get medical attention if necessary

Section 5 – FIRE FIGHTING MEASURES

Flash Point (PMCC)	215°F (TCC) (<90% no flash pt.)	Flammable Limits	LEL = 2.0-3.0% UEL = 12.0-13.0%
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Autoignition temperature	NA	NFPA	1-1-0-NA
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Extinguishing Media: This product is not combustible. Water spray, foam, carbon dioxide or dry chemical may be used where this product is stored.

Special Fire Fighting Procedures Firefighters should wear self-contained, positive-pressure breathing apparatus and protective clothing. Water spray may be used to flush spill away from exposure.

Section 6 – ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled Small spills can be flushed with large amounts of water; larger spills should be collected for disposal. Wear protective clothing and equipment.

Waste Disposal Method: Neutralize and dispose of material in accordance with all applicable laws and regulations.

Section 7 – HANDLING AND STORAGE

Precautions to be taken when handling and storing this product: Keep containers closed when not in use and wash hands immediately after each use of this product. **DO NOT GET IN EYES, DO NOT SWALLOW, AVOID BREATHING MISTS. ****ALWAYS WEAR FULLY PROTECTIVE CLOTHING AND EQUIPMENT WHILE HANDLING******

Maintenance Precautions Do not remove or deface label. Keep container closed.

Section 8 – EXPOSURE CONTROLS – PERSONAL PROTECTION

Respiratory Protection: NIOSH approved breathing air equipment or NIOSH approved respirator with an organic vapor cartridge and a dust or mist pre-filter.

Ventilation

Local Exhaust:	N/A	Mechanical (General):	Normally adequate
Special:	N/A	Other:	N/A

Protective Gloves: Rubber or Neoprene

Eye Protection: Face Shield and Safety glasses

Other Protective Equipment: Rubber Apron, Rubber Boots, Eye Wash Station, Safety-shower.

Work Practices: Do not use in confined or closed space. Ventilation should maintain the concentration of the product or its components below their TLV/PEL values.

Hygienic Practices: As with any liquid product, avoid contact with skin and avoid breathing vapors, do not eat, drink, or smoke in work area; wash hands prior to eating, drinking or using restroom after handling or using. Any liquid product can contaminate tobacco, causing illness (from inhaling components heated in tobacco smoke or ingested from handling tobacco and/or food products).

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point @ 760 mm Hg:	310 °F (154° C)	Specific Gravity (Water=1)	1.133 ± .01
Vapor Pressure (mm Hg at 68° F (20° C))	< 1 @ 68° F	Percent Volatile by Volume (%)	96.3
Vapor Density (Air=1)	> 2.0 < 3.0	Evaporation Rate (ether=1)	< 1
Solubility in Water	100 %	pH (50% solution)	8.5-9.5
Viscosity (40% @ 100°F)	1.50 cP	Specific Heat (40% @ 100°F)	0.87

Appearance and Odor Information: Transparent, pink liquid with mild odor

Section 10 – STABILITY AND REACTIVITY

Conditions to avoid: None

Stability: () Unstable
(X) Stable

Incompatibility (materials to avoid): Strong oxidizers, acids.

Hazardous Decomposition Products: Burning can produce carbon monoxide and/or carbon dioxide

Hazardous Polymerization: Will not occur

Section 11 – TOXICOLOGICAL INFORMATION

This product not studied.

Section 12 – ECOLOGICAL INFORMATION

This product not studied.

Section 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Methods Neutralize and dispose of material in accordance with all applicable laws and regulations.

Section 14 – TRANSPORT INFORMATION

Not Regulated

Section 15 – REGULATORY INFORMATION

SARA 313 list	No
TSCA listed	All components are on or exempt from the TSCA inventory
OSHA listed	No
PROP 65 listed	No

Section 16 – OTHER INFORMATION

CAUTION Intentional misuse of this chemical product, as with any industrial chemical in contact with the body, can be harmful or fatal. This includes such things as deliberately breathing, placing in mouth, swallowing, placing on skin, or any other body contact, or repeated or continuous contact.

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