

Section 1 Chemical Product and Company Identification

Product Identifier	GPC® Antifoam for Ferric Chloride
Product Number	IR-CHE7371
General Use	Printing operations
Company Address	UEI Systems®, a UEI Group Company 9090 Nieman Road Overland Park, KS 66214 USA
Phone	+1 800 221 9059 or +1 913 541 0503
Emergency Contact Number	CHEMTEL – Available 24 hours/day, 7 days/week Domestic North America: +1 800 255 3924 International: +1 813 248 0585

Section 2 Hazards Identification

GHS Classification	Not classified as hazardous
GHS Labeling	Not applicable

Section 3 Hazardous Ingredients / Identity Information

Chemical Name	CAS No.	%	OSHA (PEL/TWA)	ACGIH TLV
Propylene Glycol	57-55-6	1 – <3	–	–
Other components below reportable levels		90–100		

Section 4 First Aid Measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin Contact	Wash skin thoroughly with mild soap and water. Get medical attention if irritation develops and persists.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting unless directed to do so by medical personnel.
Symptoms and Effects, both Acute and Delayed	May cause minor eye irritation

Section 5 Firefighting Measures

Extinguishing Media	Water fog, foam, dry chemical powder or carbon dioxide.
Unsuitable Extinguishing Media	Do not use water jet as an extinguisher as this will spread the fire.
Specific Hazards	During fire, gases hazardous to health may be formed.
Protection During Firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.
Fire Hazard	The product itself will not burn.
Explosion Hazard	The product is not explosive.
Reactivity	Stable
Firefighting Equipment/Instructions	Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6 Accidental Release Measures

- Personal Precautions** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Ensure adequate ventilation. Local authorities should be notified if significant spillages cannot be contained.
- Methods for Cleaning Up** This product is miscible in water. The product is immiscible with water and will spread on the water surface. Absorb and/or contain spill with inert material, then place in a suitable container.
Large spills: Stop the flow of material if this is without risk. Dike the spilled material where possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
Small spills: Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination.
Never return spills to original containers for reuse.
- Environmental Precautions** Avoid release to the environment. Contact local authorities if material enters sewers or public waters. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Section 7 Handling and Storage

- Handling Precautions** Avoid prolonged exposure. Observe good industrial hygiene practices.
- Storage Requirements** Store in original container. Keep container tightly closed and in a well-ventilated place. Product should be stored in a sealed container. Keep container tightly closed when not in use.

Section 8 Component Exposure Limits

	Chemical Name	CAS No.	TWA
	Propylene glycol	57-55-6	10 mg/m ³
Biological Limit Values	No data available		
Appropriate Engineering Controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to acceptable level.		
Personal Respiratory Protection	In cases of insufficient ventilation, wear a properly fitted respirator.		
Hand Protection	Wear protective, water-proof gloves		
Eye Protection	Use splash goggles when eye contact due to splashing is possible		
Skin Protection	Wear protective clothing		
Hygiene Measures	Always wash your hands immediately after using this product, and once again before leaving the workplace. Do not eat or drink while using this product.		

Section 9 Physical and Chemical Properties

Appearance/Odor	Clear to hazy or milky white liquid	Odor Threshold	No data available
pH	No data available	pH	Not established
Boiling Point	Similar to water	Melting Point	Similar to water
Solubility (H₂O)	Insoluble to dispersible	Specific Gravity	0.99 – 1.02 @ 77° F
Evaporation Rate	<1 (water = 1)	Decomposition Temperature	No data available
Auto Ignition	No data available	Self-ignition Temperature	No data available
Flash Point	No data available	Relative Vapor Density	>1 (Air = 1.0)
Relative Density	1	Vapor Pressure	No data available
Flammability	Not flammable	Viscosity, Dynamic	No data available
Freezing Point	Similar to water	VOC (weight %)	1.81

Section 10 Chemical Stability and Reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability	Stable under normal conditions
Possibility of Hazardous Reactions	No dangerous reaction known under conditions of normal use
Conditions to Avoid	Avoid contact with incompatible materials
Incompatibility	Acids, bases, alkalies (organic)
Hazardous Decomposition/ By-Products	Oxides of carbon

Section 11 Toxicological Information

Likely Routes of Exposure	
Ingestion	Expected to be a low ingestion hazard
Inhalation	Prolonged inhalation may be harmful
Skin Contact	No adverse effects due to skin contact are expected
Eye Contact	Direct contact with eyes may cause temporary irritation
Acute Effects	
Ingestion LD50	Dog - 19 g/kg Guinea Pig - 18.4 g/kg Mouse - 23.9 g/kg Rabbit - 18 g/kg Rat - 30 g/kg
Eye Contact	Rabbit Result: Eye irritation - 24 h
Skin Contact	Rabbit Result: Mild skin irritation - 24 h
Germ Cell Mutagenicity	No data available
Carcinogenicity	This product is not expected to cause reproductive or developmental effects.
Specific Target Organ Toxicity (single exposure)	No data available
Specific Target Organ Toxicity (repeated exposure)	No data available
Chronic Effects	Prolonged inhalation may be harmful

Section 12 Ecological Information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component	Species	Exposure Time	LC50/EC50/IC50
Propylene Glycol (57-55-6)	<i>Daphnia magna</i> (water flea)	48 hrs	EC50 10,000 mg/l
	<i>Pimephales promelas</i> (fathead minnow)	96 hrs	LC50 710 mg/l

Persistence/Degradability No data available

Bioaccumulative Potential No data available

**Partition Coefficient
n-octanol/water (log Kow)** -0.92

Mobility in Soil No data available

Other Adverse Effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13 Disposal Considerations

Disposal Instructions Depending on the local regulations, it may be disposed of as solid waste or incinerated in a suitable installation. Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.

Section 14 Transportation Information

Not classified as a dangerous good for transport

DOT (US)		IMDG		IATA	
UN number	Non-regulated	UN number	Non-regulated	UN number	Non-regulated
Class	–	Class	–	Class	–
Packing group	–	Packing group	–	Packing group	–
Proper shipping name	–	EMS-No	–	Proper shipping name	–
Reportable Quantity (RQ)	–	Proper shipping name	–		
Marine pollutant	–	Marine pollutant	–		
Poison Inhalation Hazard	–				

Section 15 Regulatory Information

United States - TSCA 12(b) - Chemical Export Notification	Not regulated
CERCLA/SARA Section 302	Not regulated
SARA 311/312 Hazards	Not regulated
CERCLA/SARA Section 313	Not regulated

Right To Know Components	CAS-No	Revision Date
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Massachusetts	Not regulated	
New Jersey	Not regulated	
Pennsylvania	Propylene Glycol	57-55-6
Rhode Island	Not regulated	

California Prop 65 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

United States Inventory TSCA 8(b) All components are listed or exempted.

Section 16 Other Information

UEI Systems® provides the information contained herein in good faith. It is believed to be correct. However it is not all-inclusive and should be used only as a guide. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose. UEI Systems shall not be held liable for any damage resulting from handling or from contact with this product. All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources.

Abbreviations PEL Permissible Exposure Limit
TLV Threshold Limit Value

End Notes

1. SARA - Signed into law in 1986, the Superfund Amendments and Reauthorization Act (SARA) is an extension of CERCLA, and is intended to encourage and support local and state emergency planning efforts. SARA provides citizens and local governments with information about potential chemical hazards, and calls for facilities that store hazardous materials to provide officials and citizens with data on the type and amount on hand at specific locations. This field states whether a material is listed or not listed in section 372.65 of SARA. EHS - This states if a material is listed or not listed in Appendix B to part 355, the SARA Extremely Hazardous Substances (EHS) section. RQ is the reportable quantity. TPQ is the Threshold Planning Quantity.
2. RCRA - The Resource Conservation and Recovery Act enacted in 1976 and subsequently amended, controls solid-waste disposal and encourages recycling. This states whether a material is listed or not listed under this regulation. If listed the Hazardous Waste Number and waste characterization assigned by RCRA is also provided.
3. CERCLA - Enacted in 1980 and amended thereafter, the Comprehensive Environmental Response, Compensation, and Liability Act provides for identification and cleanup of hazardous materials released on land, into the air, waterways, and groundwater. It covers areas affected by newly released materials and older leaking or abandoned dump sites. This states whether a material is listed or not listed in CERCLA Table 302.4. If listed the section(s) that it is listed under and the Reportable Quantity (RQ) are also provided.
4. TSCA - The Toxic Substances Control Act controls the exposure to and use of raw industrial chemicals not subject to other laws. This states whether the chemical is listed or not listed under this regulation.

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