

## Section 1 Chemical Product and Company Identification

<b>Product Identifier</b>	GPC® Antifoam for Ferric Chloride
<b>Product Number</b>	IR-CHE7371
<b>General Use</b>	Printing operations
<b>Company Address</b>	UEI Systems®, a UEI Group Company 9090 Nieman Road Overland Park, KS 66214 USA
<b>Phone</b>	+1 800 221 9059 or +1 913 541 0503
<b>Emergency Contact Number</b>	CHEMTREC – Available 24 hours/day, 7 days/week Domestic North America: +1 800 424 9300 International: +1 703 527 3887

## Section 2 Hazards Identification

<b>GHS Classification</b>	Not classified as hazardous
<b>GHS Labeling</b>	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

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

## Section 5 Firefighting Measures

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

	<u>Chemical Name</u>	<u>CAS No.</u>	<u>TWA</u>
	Propylene glycol	57-55-6	10 mg/m <sup>3</sup>

**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**

<b>Appearance/Odor</b>	Clear to hazy or milky white liquid	<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available	<b>pH</b>	Not established
<b>Boiling Point</b>	Similar to water	<b>Melting Point</b>	Similar to water
<b>Solubility (H<sub>2</sub>O)</b>	Insoluble to dispersible	<b>Specific Gravity</b>	0.99 – 1.02 @ 77° F
<b>Evaporation Rate</b>	<1 (water = 1)	<b>Decomposition Temperature</b>	No data available
<b>Auto Ignition</b>	No data available	<b>Self-ignition Temperature</b>	No data available
<b>Flash Point</b>	No data available	<b>Relative Vapor Density</b>	>1 (Air = 1.0)
<b>Relative Density</b>	1	<b>Vapor Pressure</b>	No data available
<b>Flammability</b>	Not flammable	<b>Viscosity, Dynamic</b>	No data available
<b>Freezing Point</b>	Similar to water	<b>VOC (weight %)</b>	1.81

**Section 10 Chemical Stability and Reactivity**

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

**Section 11 Toxicological Information**

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

**Revision** 12 June 2015  
**Supersedes** 28 February 2014