

## Section 1 Chemical Product and Company Identification

<b>Product Identifier</b>	GPC® AquaMulsion® Positive Developer
<b>Product Number</b>	IR-CHE7365, IR-CHE7366, IR-CHE7367
<b>General Use</b>	Developing images on pre-sensitized metal
<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

### GHS Classification

Hazard Class	Hazard Category	Route of Exposure
Corrosive to metals	1	–
Skin Corrosion	1B	–
Serious Eye Damage	1	–
Specific Target Organ Toxicity (single exposure)	3	Respiratory System

### GHS Labeling

**Contains** Sodium Metasilicate (6834-92-0)



**Danger**

### Hazard Statements

May be corrosive to metals  
Causes severe skin burns and eye damage  
May cause respiratory irritation

### Precautionary Statements

Keep only in original container  
Do not breathe dust or mist  
Wash skin thoroughly after handling  
Use only outdoors or in a well-ventilated area  
Wear protective gloves/protective clothing/eye protection/face protection

### Response

**If Swallowed:** Rinse mouth. Do **not** induce vomiting.  
**If On Skin (or hair):** Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
**If Inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
**If In Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a **Poison Center** or doctor/ physician.  
**Specific treatment:** See supplemental first aid instructions on this label.  
Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

## Section 2 Hazards Identification, continued

<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in corrosive resistant stainless steel container with a resistant inner liner.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations

## Section 3 Hazardous Ingredients / Identity Information

Hazardous Components	CAS No.	%
Sodium Metasilicate	6834-92-0	<100

## Section 4 First Aid Measures

**In all cases, call a physician immediately.**

<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
<b>Ingestion</b>	Do <b>not</b> induce vomiting. Rinse mouth with water.
<b>Eye Contact</b>	Immediately flush eyes with large amounts of water for at least 15 minutes. Continue rinsing eyes during transport to hospital.
<b>Skin Contact</b>	Immediately flush skin with large amounts of water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

## Section 5 Firefighting Measures

<b>Flammable/Combustible Properties</b>	Sodium oxides, silicon oxides
<b>Fire/Explosion</b>	No data available
<b>Extinguishing Media</b>	Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide
<b>Firefighting Equipment/Instructions</b>	Wear self-contained breathing apparatus for firefighting, if necessary

## Section 6 Accidental Release Measures

<b>Personal Precautions</b>	Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, rubber boots and NIOSH-approved dust respirator where dust occurs
<b>Environmental Precautions</b>	Prevent runoff to sewers or waterways
<b>Methods for Cleaning Up</b>	Use absorbent material and place in non-leaking containers and tightly seal

## Section 7 Handling and Storage

<b>Handling Precautions</b>	Do not get in eyes, on skin or on clothing. Do not breathe dust. Keep container closed. Promptly clean up spills. Wash hands thoroughly after handling.
<b>Storage Requirements</b>	Keep containers closed. Store in clean, tightly closed steel, fiber, or plastic containers. Separate from acids, reactive metals, and ammonium salts. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers. This product can absorb water from the air. In case of high humidity or storage for extended periods of time, use plastic bags to enclose product containers to avoid caking. Packaged inventory should be used on a first-in, first-out (FIFO) basis.

**Section 8 Component Exposure Limits**

	Hazardous Components	CAS No.	%	OSHA (PEL/TWA)	ACGIH TLV
	Sodium Metasilicate	6834-92-0	<100%	NA	NA
<b>Control Parameters</b>	Contains no substances with occupational exposure limit values				
<b>Appropriate Engineering Controls</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.				
<b>Personal Respiratory Protection</b>	Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator.				
<b>Protective Hand Protection</b>	Wear protective gloves				
<b>Eye Protection</b>	Wear approved safety glasses when handling a chemical substance				
<b>Skin Protection</b>	Wear protective clothing				

**Section 9 Physical and Chemical Properties**

<b>Appearance/Odor</b>	White powder/no data	<b>Odor Threshold</b>	No data
<b>pH</b>	12.5 at 10 g/l at 68°F (20°C)	<b>Boiling Point</b>	No data
<b>Melting Point Range</b>	1,994° F (1,090° C)	<b>Solubility (H<sub>2</sub>O)</b>	350 g/l at 68°F (20°C)
<b>Specific Gravity</b>	No data	<b>Density</b>	68 lbs/ft <sup>3</sup> at 68°F (20°C)
<b>Octanol/H<sub>2</sub>O Coefficient</b>	No data	<b>Evaporation Rate</b>	No data
<b>Molecular Weight</b>	122.06	<b>Decomposition Temperature</b>	No data
<b>Auto Ignition</b>	No data	<b>Lower Flammability Limit</b>	No data
<b>Flash Point</b>	No data	<b>Upper Flammability Limit</b>	No data
<b>Vapor Density</b>	No data	<b>Vapor Pressure</b>	10.0103 hPa (0.0077 mm Hg) at 2,147° F (1,175° C)
<b>VOC</b>	No data	<b>Flammability Class</b>	No data
<b>Viscosity</b>	No data		

**Section 10 Chemical Stability and Reactivity**

<b>Stability</b>	Stable
<b>Conditions to Avoid</b>	No data available
<b>Incompatibility</b>	Strong acids, Lead, Tin/tin oxides, Zinc, Aluminum
<b>Hazardous Decomposition/By-Products</b>	Solutions of sodium metasilicate, when heated or acidified, are hydrolyzed to free sodium ions and silicic acid.
<b>Hazardous Polymerization</b>	Will not occur

**Section 11 Toxicological Information**

**Likely Routes of Exposure** Occupational exposure may occur through inhalation and dermal contact with this compound.

**Acute Toxicity**

**Acute Oral LD50** LD50 Oral (rat, male and female) 1,152 – 1,349 mg/kg

**Acute Dermal LD50** No data available

**Acute Inhalation LC50** No data available

**Skin corrosion/irritation** Skin (rabbit) Result: Corrosive 4 h

**Carcinogenicity** There are no known reports of carcinogenicity of ingredients.

**Target Organ Effects** Inhalation: May cause respiratory irritation in the respiratory system

**Reproductive Toxicity** No data available

**Teratogenicity** In vitro genetic toxicity studies were negative.

**Section 12 Ecological Information**

**Ecotoxicity**

**Toxicity to Fish**

Component	Species	Exposure Time	LC50/EC50/IC50
Sodium Metasilicate (6834-92-0)	<i>Danio rerio</i> (zebra fish) bacteria	96 hrs	LC50 210 mg/l

**Persistence/Degradability** No data available

**Bioaccumulative Potential** No data available

**Mobility in Soil** No data available

**Section 13 Disposal Considerations**

**Disposal Instructions** Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste.

**Section 14 Transportation Information**

<b>DOT (US)</b>		<b>IMDG</b>		<b>IATA</b>	
<b>UN number</b>	3253	<b>UN number</b>	3253	<b>UN number</b>	3253
<b>Class</b>	8	<b>Class</b>	8	<b>Class</b>	8
<b>Packing group</b>	II	<b>Packing group</b>	II	<b>Packing group</b>	II
<b>Proper shipping name</b>		<b>EMS-No</b>	F-A, S-B	<b>Proper shipping name</b>	
Disodium trioxosilicate		<b>Proper shipping name</b>		Disodium trioxosilicate	
<b>Reportable Quantity (RQ)</b>	NA	Disodium trioxosilicate			
<b>Marine pollutant</b>	No	<b>Marine pollutant</b>	No		
<b>Poison Inhalation Hazard</b>	No				

## Section 15 Regulatory Information

### Component Analysis – State

#### SARA 302 Components

**SARA 302** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313 Components

**SARA 313** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### SARA 311/312 Hazards

Acute Health Hazard

#### TSCA<sup>4</sup> - Toxic Substances Control Act

Listed

Right To Know Components	CAS-No	Revision Date
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**Pennsylvania** No components are subject to the Pennsylvania Right to Know Act.

**New Jersey** No components are subject to the New Jersey Right to Know Act.

**Massachusetts** No components are subject to the Massachusetts Right to Know Act.

**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.

## 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** 22 October 2015

**Supersedes** 09 June 2015

**Evidence** <http://toxnet.nlm.nih.gov/>