

MATERIAL SAFETY DATA SHEET

SECTION I CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Aquamulsion Negative Developer **Additional Names:**

Product Code: IR-CHE8365; IR-CHE8366; IR-CHE8367

General Use: Developing images on pre-sensitized metal.

Company: UEI[®] Systems, A UEI Group Company

Address/Phone: 9090 Nieman Road
Overland Park, KS 66214
(800) 221-9059 or (913) 541-0503

Emergency Contact Number: CHEMTREC – Available 24 hrs/day, 7 days/week
Domestic North America: 800-424-9300
International: 703-527-3887

SECTION II HAZARDOUS INGREDIENTS / IDENTIFIY INFORMATION

<u>Hazardous Components</u>	<u>Cas No.</u>	<u>%</u>	<u>OSHA (PEL/TWA)</u>	<u>ACGIH TLV</u>	<u>MSHA (PET/TWA)</u>
Sodium Carbonate	497-19-8		15 mg/m ³ (total dust) 5 mg/m ³ (rasp fraction)	NA	10 mg/m ³

SECTION III HAZARDS IDENTIFICATION

Irritant. Irritating to the respiratory system and skin. Risk of serious damage to the eyes. Severe eye irritant.

Routes of Entry: Skin Contact & Absorption, Eye Contact, Inhalation, Ingestion

Carcinogenicity: NA

Medical Conditions: NA

Health Hazards (acute and chronic): NA

Sign and Symptoms of Exposure: Symptoms of exposure may include burning sensation, coughing, sneezing, laryngitis, shortness of breath, headache, nausea and vomiting.



SECTION IV FIRST AID MEASURES

In all cases call a physician immediately.

Inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Call a physician.

Ingestion: Wash out mouth with water if the person is conscious. Call a physician.

Eye Contact: Flush eyes with large amounts of water for at least 15 minutes.

Skin Contact: Wash skin with soap and large amounts of water for at least 15 minutes.

SECTION V FIRE FIGHTING MEASURES

Flash Point: Boils before flashes. **Flammable Limits:** NA **Auto-ignition temperature:** NA

Extinguishing Media: Noncombustible. Use extinguishing media appropriate to the surrounding fire conditions.

Special Fire Fighting Procedures: Wear self-contained breathing and protective clothing to prevent skin and eye contact. Product emits toxic fumes under fire conditions.

Unusual Fire and Explosion Hazards: NA

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SECTION VI ACCIDENTAL RELEASE MEASURES

In case of accidental release evacuate the area. Clean-up personnel should wear respirators, chemical safety goggles, rubber boots, and heavy rubber gloves. Sweep up the spilled material, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. Ensure compliance with local, state, and federal regulations in the use of any waste containment program.

SECTION VII HANDLING AND STORAGE

Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Keep product in a tightly closed container and store in a cool dry place. Product is hygroscopic.

SECTION VIII EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Safety shower and eye bath. Mechanical exhaust required.

Personal Protection: NIOSH/MSHA-approved respirator, compatible chemical-resistant gloves, and chemical safety goggles. Wash thoroughly after handling.

SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	NA	Melting Point:	NA
Freezing Point:	NA	Vapor Pressure:	NA
Vapor Density (Air=1):	NA	Solubility in Water:	1M in H ₂ O, 20 C, complete, colorless
pH:	12.0	Specific Gravity (Water=1):	2.532 g/cm ³
Viscosity:	NA	Evaporation Rate (Water =1):	NA
Appearance and odor:	White powder.		

SECTION X STABILITY AND REACTIVITY

Stability:	Stable	Conditions to avoid:	Protect from moisture.
Incompatibility:	Strong acids.		
Hazardous Decomposition/By-Products:	Carbon monoxide, Carbon dioxide, Sodium/sodium oxides.		
Hazardous Polymerization:	Will not occur.		

SECTION XI OTHER INFORMATION

UEI[®] Systems provides the information contained herein in good faith. The information is believed to be correct. However it is not all-inclusive and should be used only as a guide. Individuals receiving the 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 the product listed herein.

Abbreviations

PEL: Permissible Exposure Limit TLV: Threshold Limit Value NA: Not Applicable