

Section 1 Chemical Product and Company Identification

Product Identifier GPC® AquaMulsion® Negative Developer
Product Number IS-CHE8305
General Use Developing images on pre-sensitized metal
Company Address UEI Systems®, a UEI Group Company
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Section 2 Hazards Identification

GHS Classification

Hazard Class	Hazard Category	Route of Exposure
Eye Irritation	2A	–

GHS Labeling

Contains Sodium Carbonate (497-19-8)



Warning

Hazard Statements Causes serious eye irritation

Precautionary Statements Wash hands thoroughly after handling
 Wear eye protection/face protection

Response **If In Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If Eye Irritation Persists: Get medical advice/attention.

Specific treatment Dilute with 4 to 8 ounces of water may be useful if it can be performed shortly after ingestion in patients.

Storage Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations

Section 3 Hazardous Ingredients / Identity Information

Hazardous Components	CAS No.	%
Sodium Carbonate	497-19-8	<100

Section 4 First Aid Measures

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact	Wash off with soap and plenty of water. Consult a physician.

Section 5 Firefighting Measures

Flammable/Combustible Properties	This product does not present fire or explosion hazards as shipped.
Fire/Explosion	No data available
Extinguishing Media	Use extinguishing media appropriate to the surrounding fire conditions.
Firefighting Equipment/Instructions	Firefighters should wear NIOSH-approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

Section 6 Accidental Release Measures

Personal Precautions	Wear gloves and approved respiratory protection if possibility of dust, mist and fume exposure exists.
Environmental Precautions	Ensure compliance with local, state and federal regulations in the use of any waste containment program. Do not let product enter drains.
Methods for Cleaning Up	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7 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 8 Component Exposure Limits

	Contains no substances with occupational exposure limit values
Appropriate Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal Respiratory Protection	Use NIOSH/MSHA approved dust respirator to avoid excessive inhalation of dust, fume or mist.
Protective Hand Protection	Use protective gloves
Eye Protection	Use safety glasses

Section 9 Physical and Chemical Properties

Appearance and Odor	White/off-white granular powder with no odor	Odor Threshold	No data
pH	11.4 (1% solution)	Boiling Point	2,912° F (1,600° C)
Melting Point Range	1,564° F (851° C)	Solubility (H₂O)	217 g/l at 20° C (68° F) - completely soluble
Specific Gravity	2.509	Density	2.532 g/cm ³
Octanol/H₂O Coefficient	No data	Evaporation Rate	No data
Molecular Weight	105.99	Decomposition Temperature	752° F (400° C)
Auto Ignition	No data	Lower Flammability Limit	No data
Flash Point	No data	Upper Flammability Limit	No data
Vapor Density	No data	Vapor Pressure	No data
VOC	No data	Flammability Class	No data
Viscosity	No data		

Section 10 Chemical Stability and Reactivity

Stability	Stable under normal handling conditions. Substance is hygroscopic.
Conditions to Avoid	Aluminum powder, acids, fluorine, molten lithium
Incompatibility	Strong acids
Hazardous Decomposition/ By-Products	Begins to decompose at 400° C. Begins to emit carbon dioxide gas and toxic fumes of Na ₂ O.
Hazardous Polymerization	Will not occur

Section 11 Toxicological Information

Likely Routes of Exposure	Sodium carbonate may cause irritation after eye exposure.
Acute Effects	
Inhalation LC50	Rat - 2h 5,750 mg/l
Eye Contact	Rabbit Result: Eye irritation - 24 h
Skin Contact	Rabbit Result: Mild skin irritation - 24 h
Ingestion LD50	LD50 Oral (rat, male and female) 4,090 mg/kg
Sensitization	No data available
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP or OSHA.
Target Organ Effects	No data available
Reproductive Toxicity	No data available
Teratogenicity	No data available

Section 12 Ecological Information

Ecotoxicity

Toxicity to Fish LC50

Component	Species	Exposure Time	LC50/EC50/IC50
Sodium Carbonate (497-19-8)	<i>Lepomis macrochirus</i> (bluegill)	96 hrs	LC50 210 mg/l
	<i>Daphnia magna</i> (water flea)	48 hrs	EC50 265 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

This material is not regulated under DOT provisions.

Section 15 Regulatory Information

Component	SARA ¹	SARA ¹ EHS	RCRA ²	CERCLA ³	CERCLA ³ RQ	TSCA ⁴
Sodium Carbonate	Not listed	Not listed	Not listed	Not listed	None	Listed

Component Analysis – State

Component	CA	MA	MN	NJ	PA	RI
Sodium Carbonate (497-19-8)	N	N	N	N	N	N

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.

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Evidence <http://toxnet.nlm.nih.gov/cgi-bin/sis/search2/f?./temp/~gm94di:3>
<http://chem.sis.nlm.nih.gov/chemidplus/rn/497-19-8>
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