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Section 1 Chemical Product and Company Identification

Product Identifier MiraMag® AquaMulsion® II Developer

Product Number IR-CHE8565, IR-CHE8566

General Use Developing images on pre-sensitized metal

Company UEI Systems®, a UEI Group Company

Address 9090 Nieman Road

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Emergency Contact Number CHEMTEL – Available 24 hours/day, 7 days/week

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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)



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 inges-

tion 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

Safety Data Sheet



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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	$\label{thm:losh_mshall} \textbf{Use NIOSH/MSHA} \ approved \ dust \ respirator \ to \ avoid \ excessive \ inhalation \ of \ dust, \ fume \ or \ mist.$
Protective Hand Protection	Use protective gloves
Eye Protection	Use safety glasses

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Section 9	Physical and Chemical Prope	rties			
Appearance and Odor	White/off-white granular powder with no odor Odor Threshold		No data		
рН	11.4 (1% solution)	Boiling Point	2,912° F (1,600° C)		
Melting Point Range	1,564° F (851° C)	Solubility (H ₂ O)	217 g/l at 20° C (68° F) - completely soluble		
Specific Gravity	2.509	Density	2.532 g/cm ³		
Octanol/H ₂ O Coefficient	No data	Evaporation Rate	No data		
Molecular Weight	105.99 Decompo	sition 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 React	ivity			
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. Begi	ns to emit carbon dio	kide gas and toxic fumes of Na.O.		
Hazardous Polymerization	Will not occur				
Section 11	Toxicological Information				
Likely Routes of Exposure	Sodium carbonate may cause irritation	on after eye exposure.			
Acute Effects					
Inhalation LC50	Rat - 2h 5,750 mg/l				
	Rabbit Result: Eye irritation - 24 h				
Eye Contact	Nappit Nesult. Lye ii itatioii - 24 ii				
Eye Contact Skin Contact	Rabbit Result: Mild skin irritation - 24	h			
•	•				
Skin Contact	Rabbit Result: Mild skin irritation - 24				

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.

Carcinogenicity

Teratogenicity

Target Organ Effects Reproductive Toxicity No data available

No data available

No data available



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Section 12

Ecological Information

Ecotoxicity

Toxicity to Fish LC50

Component	Species	Exposure Time	LC50/EC50/IC50	
Sodium Carbonate	Lepomis macrochirus (bluegill)	96 hrs	LC50 210 mg/l	
(497-19-8)	Daphnia magna (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	TSCA⁴
Sodium Carbonate	Not listed	Not listed	Not listed	Not listed	None	Listed

Component Analysis - State

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

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.

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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 21 April 2020 Supersedes 8 May 2015

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