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MATERIAL SAFETY DATA SHEET

GlobalTech AquaSonic®
Aqueous Cleaner for Surface Mount Applications/SMA

PRODUCT CODE: SMA
Date of Last Revision: 3/28/02

FOR CHEMICAL EMERGENCY call INFOTRAC at 1-800-535-5053
24 Hrs. per day, 7 days per week

DOT HAZARD CLASSIFICATION: NOT REGULATED
DOT PROPER SHIPPING NAME: NOT REGULATED BY D.O.T.

SECTION I - COMPOSITION AND INFORMATION ON INGREDIENTS:

INGREDIENTS	C.A.S. NUMBER	WEIGHT %	OSHA PEL	ACGIH TLV
Water	07732-18-5	5 - 20	None	None
Dipropylene glycol n-butyl ether	29911-28-2	30 - 50	Not est.	Not est.
Polyoxypropylene-polyoxyethylene block copolymer	9003-11-6	40 - 60	Not est.	Not est.

SECTION II - HAZARDS IDENTIFICATION: symptoms/effects of overexposure

INHALATION (BREATHING): Respiratory irritation may result from inhalation of vapors or mists.

INGESTION (SWALLOWING): Low order of toxicity. Ingestion of large amounts will result in diarrhea and weakness.

SKIN CONTACT: Repeated or prolonged contact with skin may cause mild irritation.

EYE CONTACT: Contact with eyes will cause mild irritation.

LISTED CARCINOGENS: None

SECTION III - FIRST AID MEASURES:

INHALATION (BREATHING): Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

INGESTION (SWALLOWING): DO NOT induce vomiting. Give two glasses of water if the victim is not unconscious or having convulsions. Seek medical attention.

SKIN CONTACT: Remove contaminated clothing. Thoroughly wash affected area with soap and water; use skin cream if irritation is severe.

EYE CONTACT: Immediately flush eyes with water for 15 minutes. Call a physician if irritation persists.

SECTION IV - FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Dry chemical, chemical foam, carbon dioxide. Class BC, ABC fire extinguisher.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained positive pressure breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

UNUSUAL FIRE AND EXPLOSIONS HAZARD: None known.

SECTION V - ACCIDENTAL RELEASE MEASURES:

Absorb spill with inert material, then place in chemical waste container. For large spills, dike for later disposal. Observe government regulations. This product is not regulated by RCRA or CERCLA.

SECTION VI - STORAGE, HANDLING AND SPECIAL PRECAUTIONS:

Store in original container, preferably in a cool, ventilated, fire-resistant building. Avoid overheating or freezing. Since empty containers may retain product residues (vapor, liquid, or solid) all label precautions must be observed.

SECTION VII - EXPOSURE CONTROLS - PERSONAL PROTECTION:

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirator if ventilation is not sufficient and if mists are generated.

VENTILATION: Local exhaust can be effective in minimizing odor.

PROTECTIVE CLOTHING/GLOVE: Chemical resistant gloves should be used with all industrial chemicals.

EYE PROTECTION: Safety glasses/goggles are recommended. Provide eye bath near work site.

SECTION VIII - PHYSICAL AND CHEMICAL PROPERTIES:

Boiling Point (760 mm Hg.):	>440°F (>227°C)	Vapor Density (air=1):	> 1
Evaporation Rate (BUAC=1):	<1	% Volatile (by weight):	Not determined
Vapor Pressure (20°C):	<1 mm Hg	Solubility in Water:	Emulsifiable
Specific Gravity (H ₂ O=1):	1.0 @ 77°F (25°C)	Odor:	Mild
Appearance:	Clear liquid		

Flash Point: >222°F (>105°C) (ASTM D93-85 Pensky-Martens Closed Cup)

Flammable Limits (% by volume in air): Not determined

SECTION IX - STABILITY AND REACTIVITY:

STABILITY: SMA is stable.

CONDITIONS TO AVOID: Temperatures above 440°F (227°C). Keep away from heat, sparks and flames.

INCOMPATIBILITY: Avoid strong bases, acids and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: None, other than normal products of combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION X - TOXICOLOGICAL INFORMATION:

No information available.

SECTION XI - ECOLOGICAL INFORMATION:

No information available.

SECTION XII - DISPOSAL CONSIDERATIONS:

Waste treat or incinerate used material in compliance with all applicable government regulations.

SECTION XIII - TRANSPORTATION INFORMATION:

Non-regulated.

SECTION XIV - REGULATORY INFORMATION:

None of the components of SMA appear on any of the EPA's list of toxic or hazardous substances, or on the SARA 313 toxic chemicals list (40 CFR 372.65).

None of the components of the product are specifically regulated or proposed for regulation under the Federal Clean Water Act including EPA list or 129 priority pollutants or the EPA list of total organic (TTO) (40 CFR 413.02).

None of the components of this product are listed in the Threshold Limit Values and Biological Exposures Indices compiled by the American Conference of Governmental Industrial Hygienists.

All the components of this product are listed on the TSCA inventory.

SECTION XV - OTHER INFORMATION:

NFPA Codes	HEALTH:	1	HAZARD RATING SCALE	
	FIRE:	1	0=insignificant	1=slight
	REACTIVITY:	0	2=moderate	3=high
			4=extreme	

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