1. Product and Supplier Information Product Name: Marine Bling Glass Sealer MSDS Number: ESI EN16A Product Number: MBGS Publication Date: Feb. 15, 2010 Product Synonyms: None Replaces: New Chemical Family or Formula: Waterbase Hydrocarbon dispersement Used to make surface protectant. Supplier: Envirosafe, Inc Phone: 808-960-2650 78-6710 Donkey Mill Rd. Fax: 808-322-7822 Holualoa, Hawaii 96725 Email: **Product Information:** 808-960-2650 Transportation Emergency: Not applicable Note: The purpose of this MSDS is to provide safe handling, shipping and disposal information for users of the product. It is not intended to, nor does it, provide complete or extensive toxicological data on the product or its components. Users who require this information are referred to primary suppliers of the ingredients of interest. 2. Composition and Information on Ingredients CAS # SARA Material or Component Exposure Limits 313 % RQ# TWA* STEL* WEEL* Contains non regulated protective polymer to facilitate subsequent cleaning. No component is listed in "Threshold and Biological Exposure Indices for 2008" from ACGIH except as noted above. Components listed in Title III Sec. 313 (EPCRA) are indicated by "Yes" above. NE = Not Established. *TWA= Time Weighted Average; STEL= Short Term Exposure Limit; WEEL= Workplace Employee Exposure Level A1 = Confirmed Human Carcinogen, A2 = Suspected Human Carcinogen, A3 = Confirmed Animal Carcinogen, A4 =Not Classifiable as a Human Carcinogen. A5 = Not Suspected as a Human Carcinogen. 3. Hazards Identification **OSHA Hazard Classification:** Irritant to eyes and mucous membranes. **Routes of Entry:** Skin, inhalation or eye **Chemical Interactions:** Avoid contact with alkalis. Extended contact with metals may etch them. **Medical Conditions Aggravated:** None found Human Threshold Response Data **Odor Threshold:** No data. Irritation Threshold: Not established Hazard Category Classifications and Ratings Pressure Reactivity Reference 49 CFR 171.8, Hazard Categories: Fire Health

Immediate	Yes	No	No	No	OSHA 29 CFR 1910.1200 and
Delayed	No	No	No	No	SARA 302/311/312/313.
HMIS Hazard Ratings:	Health 1	Fire 0	Instability C	Other B	(Glasses, gloves)
NFPA 704 Hazard Ratings: Health 1 Flammability 0 Reactivity 0 Special NA					
Hazard Ratings: Lea	st: 0 Slig	ht: 1 Moo	lerate: 2	High: 3 Ex	treme: 4
Note: HMIS and NFPA ratings are subjective evaluations of hazards and can differ between preparers.					
They are intended and	useful only	as a rapid a	pproximatio	n of the haz	ards rated.

Immediate (Acute) Health Effects

Inhalation Toxicity:	Not toxic.
Inhalation Irritation:	Moderate
Skin Contact:	No irritation likely with brief contact.
Skin Absorption:	Not considered a problem.
Eye Contact	Causes eye irritation upon contact with liquid or mist. Wear tight fitting goggles if appropriate.
Ingestion Irritation:	Low in hazard potential. See Sec XI for animal toxicity.
Ingestion Toxicity:	Not toxic.
Acute Target Organ To	oxicity: No data.

Carcinogenicity:

This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA or NTP, or ACGIH.

Reproductive and Developmental Toxicity: No data.

Sensitization: Not a sensitizer.

Inhalation: Prolonged or repeated exposure may cause more serious irritation.

Skin Contact: Prolonged or repeated skin exposure will aggravate symptoms described above.

Skin Absorption: Not considered a problem.

Ingestion: Chronic ingestion unlikely.

General : Not considered a toxic hazard.

Chronic Target Organ Toxicity: No data

Supplemental Health Hazard Information:

No additional health information available.

4. First Aid

Inhalation: Remove individual to fresh air. If not breathing, give artificial respiration or oxygen as appropriate. Seek medical attention if breathing becomes difficult.

Skin Contact: Flush skin with water for 15 minutes and remove contaminated clothing. Wash clothing before reuse. Eyes: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids apart.

Ingestion: Not a likely cause of problems. Do not induce vomiting if the person is conscious. Consult a physician. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flammability Summary (OSHA):

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•
pplicable
pplicable

Extinguishing Media:

Use equipment appropriate to the main source of the fire.

Do not allow contaminated water to enter sewers or waterways.

Fire Fighting Instructions:

Use equipment appropriate to the main source of the fire.

Hazardous Combustion Products:

Oxides of carbon and fluorine.

6. Accidental Release Measures

Personal Protection for Emergency Situations:

Contain the release and eliminate its source if this can be done safely.

Spill Mitigation Procedures

Air Release:

Low vapor pressure makes air release unlikely.

Water Release:

This material is soluble in water. Contain all liquid for treatment and/or disposal as a (potential) hazardous waste. Notify all downstream users of possible contamination.

Land Release:

Create a dike or trench to contain materials. Absorb spill with inert material (e.g., dry sand, clay, earth or commercial absorbent), then place in a chemical waste container. Decontaminate all clothing and the spill area using a detergent and flush with large amounts of water. Contain all contaminated water for disposal and/or treatment.

Additional Spill Information:

Stop source of spill as soon as possible and notify appropriate personnel.

7. Handling and Storage

Handling:

Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash with water. Avoid breathing vapor, mist or gas. Do not contaminate product by returning unused portion to container Rinse empty container with water to flush out residue.

Storage

No restrictions on storage location.

Shelf Life Limitations:

See label or certificate of analysis for shelf life if applicable.

Incompatible Materials for Storage:

May etch or dissolve common metals. Do not store in metal container.

8. Exposure Controls and Personal Protection

Ventilation: Normal workplace ventilation is deemed adequate in typical use situations.

Protective Equipment for Routine Use of Product Where Appropriate:

Respiratory Protection: Not considered necessary under normal use conditions.

Respirator Type(s): Not required.

Skin: Wear waterproof gloves during extended contact.

Eyes: Use safety glasses where splashing is possible.

Protective Clothing Type: Impervious butyl rubber apron, boots or suit, as appropriate.

Exposure Limit Data : See Section II

Chemical Name NIOSH Level Immediately Dangerous to Life or Health:

Not found

9. Physical Data

9. Fliysical Dala			
Physical State:	Liquid		
Color:	Colorless to slightly yellow		
Odor:	Slight, characteristic		
Molecular Weight: pH (@ 25 Deg. C): Octanol/Water Coeff:	Not appropriate. Slightly acid in water. No data		
Solubility in Water:	100%		
Bulk Density:	Not applicable		
Specific Gravity:	Approx. 1.0		
Vapor Density (Air = 1)			
Vapor Pressure 20'C:	Not determined		
Evaporation Rate (Buty	/l acetate =1): Not determined		
Volatiles % by vol.:	Approx. 95		
Boiling Point @ 20 mm	Hg: Approx. 100'C.		
Freezing Point:	Approx 0'C.		
10. Stability and	Reactivity		
Stability and Reactivity Summary:			
0.11			

Stable under normal conditions.				
Reactive Properties:				
Sensitivity to mechanical shock:	None			
Hazardous Polymerization:	Will not occur			
Conditions to Avoid:	High temperature storage.			
Chemical Incompatibility:	No hazardous incompatibilities known.			
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Incompatible materials: May etch most metals on extended contact. Hazardous Decomposition Product Oxides of carbon and fluorine.

Decomposition Temperature: No data Product May Be Unstable At Temperatures Above: No data

11. Toxicological Information

Component Animal Toxicology

N/A

Skin Irritation:

This material is expected to be slightly to moderately irritating, but not a sensitizer.

Eye Irritation:

This material is expected to be moderately irritating.

Reproductive and Developmental Toxicity:

No data.

Inhalation: No data.

Mutagenicity:

Not known or reported to be mutagenic.

Carcinogenicity:

This chemical is not known or reported to be carcinogenic by any reference source including IARC,

OSHA, NTP, or EPA

12. Ecological Information

Ecological Toxicity Values:

Environmental fate: Considered readily biodegradable. Environmental Toxicity: No data.

13. Disposal Considerations

Waste Disposal Summary:

Product has none of the characteristics of a hazardous waste.

Potential US EPA Waste Codes:

None

Disposal Methods:

Disposed of in accordance with local, state and federal regulations.

Components subject to land ban restrictions:

No data

14. Transportation Information

Proper Shipping Name, Hazard Class, UN/NA Number Packing Group, Emergency Response Guide Number Not regulated

Not regulated
None
Not applicable
None
No restrictions
No restrictions
No restrictions

15. Regulatory Information

MarineBling Glass Sealer

The components of this product are listed on the TSCA Inventory of Existing Chemical Substances. Pesticide acceptance indication: US EPA Registration Number: Not applicable Superfund Amendments and Reauthorization Act (SARA) Title III: See Section II of this MSDS. Hazard Categories Sections 311/312 (40 CFR 370.2): Health: Acute Yes Fire: No Pressure: No Chronic No Reactivity: No Physical: None Emergency Planning & Community Right to Know (40 CFR 355, App. A): Extremely Hazardous Substance Section 302 - Threshold Planning Quantity: Not applicable Reportable Quantity (40 CFR 302.4): None Supplier Notification Requirements (40 CFR 372.45), 313 Reportable Components See Section II of this MSDS. State Right-to-Know Regulations Status of Ingredients Pennsylvania: No information New Jersev: No information Massachusetts: No information

16. Additional Information

This Material Safety data sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. The information in this MSDS should be provided to all who will use, handle, store transport or otherwise be exposed to this product. We believe this information to be reliable and up to date as of its publication date, but make no warrantee that it is. If this MSDS is more than 3 years old you should contact the supplier to make certain that the information is still current. MSDS data source:: Allfa-Aesar MSDS prepared by: R. Miller 800-342-3577, USA