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MATERIAL SAFETY DATA SHEET

Product: GS-ECO A577
Date: January 2012

SECTION 1 Material

Product Name: GS-ECO A577
Product Code: GS-A577
Chemical Description: Acrylic Copolymer Emulsion

SECTION 2 Physical and Chemical Properties

Form:	Liquid	Odor:	Slight Odor
Color:	Milky White	Solubility in Water % by WT:	100%
Boiling Point: 5 mm. Hg:	212°F	Specific Gravity (H ₂ O=1):	1.0 - 1.1
Vapor Pressure at 25°C:	Not Est.	Solids by Volume:	47%
Vapor Density (air=1):	< Water	Evaporation Rate (butyl acetate = 1):	Not Est.
Freezing Point:	Not Est.	Bulk Density:	Not Est.
Viscosity:	< 300 cps	pH:	9.0 - 11.0
Molecular Weight:	Mixture	Residual Monomer:	0.1% Max.

SECTION 3 Stability and Reactivity

Stability: Stable at ambient temperatures. Coagulation may occur following freezing, thawing, or boiling.

Conditions to Avoid: Freezing Temperatures

Incompatibility (Materials to Avoid): Strong Oxidizers

Hazardous Polymerization: Will Not Occur

Flash Point (ASTM D-93): Not Flammable

Flammable Limits in Air (% by volume): N/A

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide

SECTION 4 Composition / Hazard Identification

<u>Material</u>	<u>CAS</u>	<u>%</u>
Polymer / Solids	Proprietary	47%
Individual residual monomers		< 0.1%
Water	7732-18-5	< 53%

No ingredients in this product are listed as 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) or the Canadian Workplace Hazardous Materials Information System disclosure lists.

	Potential Health Effects:
Inhalation:	Inhalation of vapor mist can cause headache, irritation of the nose, throat, and lungs, and nausea.
Skin Contact:	Prolonged or repeated skin contact can cause a slight skin irritation.
Eye Contact:	Direct eye contact with this material can cause a slight irritation.
Ingestion:	Not an anticipated route of exposure.

Carcinogenicity:

The components of this product are not listed by the NTP, IARC, or regulated by OSHA as carcinogens.

Medical Conditions:

Aggravated by Exposure: No medical conditions affected by exposure.

SECTION 5 First Aid Measures

Eye Contact:	Flush with large amounts of water for at least 15 minutes. Call physician if irritation persists.
Skin Contact:	Wash with soap and water. Call physician if irritation persists.
Inhalation:	Move subject to fresh air.
Ingestion:	If swallowed, give 2 glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

SECTION 6 Fire-Fighting Measures

Flash Point (ASTM D-93):	Not Flammable
Extinguishing Media:	Not Est.
Hazardous Combustion Products:	Carbon Dioxide, Carbon Monoxide
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus and full protective equipment.
Unusual Fire and Explosion Hazards:	Polymers will not burn. However, dried polymer films are capable of burning. Material may spatter if temperatures exceed the boiling point (212°F). After the water is evaporated, decomposition or combustion of the dry solids may generate irritation vapors, monomers, hydrocarbons, carbon monoxide, and carbon dioxide.

SECTION 7 Accidental Release Measures

Steps to be taken if material is released or spilled:	Contain spills immediately. Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems.
Waste Disposal Method:	Observe all Federal, State, and Local Laws concerning Health and Environment.

SECTION 8 Handling and Storage

Storage:	Keep from freezing; material may coagulate. The minimum recommended storage temperature for this material is 34°F. The highest recommended storage temperature for this material is 120°F.
Handling:	Avoid breathing of vapors. Handle in well-ventilated workspace. When handling, do not eat, drink, or smoke. Avoid contact with skin.

SECTION 9 Exposure Controls / Personal Protection Information

Respiratory Protection:	Not required under normal conditions in a well-ventilated workplace. An organic vapor respirator National Institute for Occupational Safety and Health (NIOSH) approved for organic vapors is recommended under emergency conditions.
Ventilation:	Use local exhaust ventilation with a minimum capture velocity of 100 ft/min at the point of vapor evolution.
Protective Gloves:	Chemical resistant gloves.
Eye Protection:	Chemical safety goggles.
Industrial Hygiene:	The precautionary measures usually employed in handling chemicals should be observed. Facilities storing or utilizing this material should be equipped with an emergency shower and eyewash station.

SECTION 10 Toxicology Information

Toxicological Summary: This product is non-toxic.

SECTION 11 Other Information

The information and recommendations contained herein are based on standard product and are proprietary and furnished solely for the use of our customers. While believed to be true and accurate, they are offered solely for your consideration, investigation, and verification, and no guarantee or warranty of any kind, expressed or implied, is made by Gulfstream Mfg. International, LLC. with respect to this data. The applicability of federal, state and local laws and regulations to this product information must be determined by the user.