Material Safety Data Sheet

Mighty Chemcal Co., Ltd.
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Mighty Emulsion

(Mixed with Mighty Compound for Mighty-CF, and with E/Spheres for Mighty-Sun Guard)

Characteristics:

Appearance :	Milky white Emulsion
Main Ingredient :	Acrylic Ester Co-Polymer Resin
Ionicity :	Nonionic
Density (%) :	27 to 29
Visosity (CP):	less than 1000
pH :	6 to 8

Lowest temperature of creating Membrane : 0 degree Centigrade

Material Safety Data Sheet

Product Name : Mitghy Emulsion

MIGHTY・CF
Mighty Chemical Co., Ltd.

Section Ⅰ - Manufacturer's Information

Manufacturer

Company	**Mighty Chemical Co., Ltd.**
Address	2080 Kurotani Iwatsuki-ku Saitama Japan
Contact	Gotan Kaneo
tel	048-791-3303
fax	048-791-3304

Section Ⅱ

Product Name :	**Mighty Emulsion**
Product Description :	Acrylic Ester Co-Polymer Emulsion
	Acrylic Ester Co-Polymer 27 to 29 %
	Water 71 to 73 %
Property on Product :	Ingredients information (Specifically for Hazardous items)

Components Name CAS No. Percentage Note

None

UN Classification	N/A
UN Number	N/A

Section Ⅲ - Hazardous Identity / Health Hazard Information

Hazardous Classification

Common Name :	N/A
Danger :	N/A
Poison :	N/A
Environmental Impact :	N/A

Hazardous Information

Auto Ignition Point :	None
Flash Point :	None
Flammable Limits :	Not flammable by itself
Auto Ignition Rate :	(Natural ignition, Reaction with H20) None
Oxidation :	None
Fire & Explosion Hazards :	None
Powder particle Explosion :	None
Stability, Reaction :	Stable under a normal condition

Others

Health Hazard Data

Skin :	May cause temporary redness and sikn rash
Irritant (Skin/Eye) :	May cause eye redness and irritation
	May cause headache through inhaling vapor

Acute toxicity (Including more than 50% fatal volume):
Not Recognized

Cancerous Elements :	Not Recognized

Special Variation Elements (Microorganism, Abnormal Chromosome) :
Not Recognized

Reproduction Toxicity :	Not Recognized
Threat to Deformity :	Not Recognized

Others (Creat poisonous gas due to the reaction with water) :
Not Recognized

Environmental Hazard Data

Dissolution :	Not Recognized

Accumulation :	Not Recognized
Threat to Fish :	Polymer in the emulsion may prevent fish from breathing in the river. This may cause the death
Others :	

Section Ⅳ - Fire and Explosion

Fire Emergency procedure :

How to extinguish:	This material does not burn itself. Dry residue after Evaporation does burn. Eliminate the source of ignition with fire extinguisher, and spray the water around the fire to cool down.
Extinguishing Media:	Water, Powder, and Foam

Section Ⅴ - Control Measures

Control Measures of Leak :

Shut down the leak flow with blanket or soil. If you encounter a large amount of leak, vacuum out contaminants. If there is a little leak, container with saw dust, or Sand, or parlight to get rid of.

Wear boots, gloves, and goggles during work for a protection. Report the leak to fire depart -ment, water department, health department, and other appropriate offices when it goes into the river, pond, lake, and sea.

Section Ⅵ - Precautions and Safe Handling and Use

Storing and Handiling Measures :

Handling :	Handling in well ventilated area. Wear goggles and gloves for eye and skin protection. Wear protection mask with air filer or install portable ventilation device when you have a work to create spray mist or vapor
Store :	Store under the roof to prevent from freezing and direct sun. Storage temperature should be between 5 degree Centigrade and 40 degree Centigrade. Close the lid very tightly to prevent from hardening surface.

Precaution of prevention from Exposure :

Control Density :	Not established	
Allowable Density :	Japan Industrial Health Association	Not established
	ACGIH :	Not established
Device :	install portable ventilation device if necessary	
Protection :	Mask with air filter :	Recommended
	Goggles :	Recommended
	Gloves :	Recommended
	Protection Clothing :	Recommended

Safety Handling:

Eye Contact :	Flush with Clean water for more than 15 minutes, seek medical attention
Skin Contact :	Remove grossly contaminated clothing including shoes. Wash affected area with soap and warm water.
Inhalation :	If vapors or gas are inhaled, move individual to fresh air. Keep individual in right temperature, and seek medical attention
In case you swallow:	Rinse with clean water, and see medical attention

Waste Disposal Method :

Dispose by burning

Dispose cleaning water or contaminated water after material is settled and water is cleared.

Diopose water in accordance with a Federal, State, and local reguration.

Transportation Measures :

Make sure there is no leak on the containers.

Load the containers tightly to prevent from falling, leaning, and getting damage.

Reference : Published by Japan Emulsion Industry Association
" Prevention of Transportation Accidents for Compound Polymer Emulsion"

Section Ⅶ - Physical / Chemical Characteristics

Physical/Chemical Characteristics

Appearance :	Milky white Liquid
Boiling Point :	About 100 Degree Centigrade
Vapor Pressuer :	Pa
Evaporation Rate :	N/A
Melting Point :	About 0 Degree Centigrade
Spesific Gravity :	About 1.04
Solubility in Water :	Water Dilute

Related Law : This does not apply to the classified standard in "Composing Guide of Material Safety Data Sheet" published by Japan Chemical Industry Assosiastion

Notes : The information contained herein is accurate as of the current available materials, information, and data. It may be revised or modified by means of a subsequent ner data/information. Precautions on material handling are suggested under a normal circumstance of recommend-able usage of the products. Datermine appropriate safety measure when you handle under special purpose. The information is for reference only and does not guaranty.

Kaneo Gotan

Kaneo Gotan
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Mighty Chemical Co., Ltd.