

Material Safety Data Sheet



CHRYSO®ENVIROMIX®159 (US VERSION)

Product: ENV159 (US)

Revision Date: 2009/05/27

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Polymer Surfactant mixture.

Product uses: Concrete admixture.

Product name: CHRYSOEnviroMix 159.

Supplier: Same as manufacturer.

Manufacturer: Chryso, Inc.
10600 Hwy 62, Unit #7
Charlestown, IN 47111
Phone: 812-256-4220
Fax: 812-256-4235.

Manufacturer emergency phone number: Chemtrec 800-424-9300.

Section 2 : INGREDIENT INFORMATION

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
		NO HAZARDOUS INGREDIENTS	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE

Section 2A: ADDITIONAL INGREDIENT INFORMATION

*: Concentration of each ingredient is not disclosed.

Section 3 : HAZARD IDENTIFICATION

Emergency overview: Non hazardous material.

Route of entry: Skin contact, eye contact, inhalation and ingestion.

Effects of acute exposure

Eye contact: Possible irritation.

Skin contact: Prolonged contact may cause irritation.

Inhalation: Inhalation of mist may cause respiratory tract irritation.

Ingestion: Slightly toxic.

Effects of chronic exposure: Pre-existing eye, skin and respiratory disorders may be aggravated.

Sensitization to product: Not available.

Carcinogenic effects: Not available.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Section 4 : FIRST AID MEASURES

Skin contact: Wash thoroughly with soap and water.
If irritation occurs, consult a physician.

Eye contact: Flush with water for at least 15 minutes, holding eyelids open with fingers.
Washing within 1 minute is essential to achieve maximum effectiveness.
If irritation occurs, consult a physician.

Inhalation: Remove victim to fresh air.
If irritation occurs, consult a physician.

Ingestion: Do not induce vomiting.
If vomiting occurs, make sure airways are clear.
Never give anything by mouth to an unconscious person.
If irritation occurs, consult a physician.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 5 : FIRE FIGHTING MEASURES

Flammability: Not flammable.

Conditions of flammability: Presents no hazard in liquid form, however chemical contains strong oxidizers which may supply oxygen when dry.

Extinguishing media: Carbon dioxide, dry chemical, foam.
Water fog.
Suitable for surrounding fire.

Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.

Auto-ignition temperature (°C): Not applicable.

Flash point (°C), method: Not applicable.

Lower flammability limit (% vol): Not applicable.

Upper flammability limit (% vol): Not applicable.

Explosion Data

Sensitivity to static discharge: None

Sensitivity to mechanical impact: None

Hazardous combustion products: Not available.

Rate of burning: Not applicable.

Explosive power: None

Section 6 : ACCIDENTAL RELEASE MEASURES

Leak/Spill: Contain the spill.
Avoid all personal contact.
Wear appropriate protective equipment.
Place in a closed container for disposal.

Section 7 : HANDLING AND STORAGE

Handling procedures and equipment: Use adequate ventilation.
Wash thoroughly after using, particularly before eating or smoking.
Wear personal protective equipment appropriate to task.
Avoid contact with skin, eyes and clothing.
Do not take internally.
Launder contaminated clothing prior to reuse.
For industrial use only.

Storage requirements: Store in a cool and well ventilated area.
Keep from freezing.
Keep containers tightly closed.

Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary Measures

Gloves/Type:



Rubber or plastic.

Respiratory/Type: None required under normal use.

Eye/Type:



Safety glasses or goggles.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type: Long sleeve shirt, long trousers.

Other/Type: Eye wash facility should be in close proximity.

Ventilation requirements: Local and mechanical exhaust ventilation.

Exposure limit of material: Not available.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Appearance & odor: Bluish–green to green.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): Not available.

Vapour density (air=1): Not available.

Volatiles (%)

By volume: Not available.

Evaporation rate (butyl acetate = 1): Not available.

Boiling point (°C): Not available.

Freezing point (°C): Not available.

pH: 7.0–9.5.

Solubility in water (%): Miscible.

Coefficient of water\oil dist.: Not available.

solids by weight: Not available.

Section 10 : STABILITY AND REACTIVITY

Chemical stability: Stable under normal pressures and temperatures.

Conditions of instability: Not available.

Hazardous polymerization: Not available.

Incompatible substances: Not available.

Hazardous decomposition products: Not available.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route: Not available.

LC50 of product, species & route: Not available.

Section 12 : ECOLOGICAL INFORMATION

Environmental toxicity: No data at this time.

Environmental fate: No data at this time.

Section 13 : DISPOSAL CONSIDERATIONS

Waste disposal: In accordance with local and federal regulations.

Section 14 : TRANSPORT INFORMATION

D.O.T. Classification: Not regulated.

Section 15 : REGULATORY INFORMATION

WHMIS classification:

D2B



DSL status: All the chemicals in this product are on the DSL or are otherwise exempt from DSL requirements, such as impurities, by-products, unwanted constituents and exempt polymers.

TSCA inventory: All the chemicals in this product are on the TSCA inventory list or are otherwise exempt from TSCA requirements, such as impurities, by-products, unwanted constituents and exempt polymers.

SARA Section 313: Not regulated.

SARA hazard categories sections Immediate (Acute) Health Hazard: Yes.

311/312: Delayed (Chronic) Health Hazard: No.

Fire Hazard: No.

Reactive: No.

CERCLA reportable quantity: Not applicable.

Section 16 : OTHER INFORMATION

Supplier MSDS date: 2009/05/27.

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