

CoatMasters®

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SAFETY DATA SHEET

Complies with Hazard Communication Standard, as revised (HCS) 29 CFR 1910.1200 and the International Chemical Safety Hazards of the Global Harmonizing System (GHS)

I. IDENTIFICATION (CHEMICAL PRODUCT AND MANUFACTURER'S INFORMATION)

Manufacturer: IMRAE Corporation
Lake Elsinore, CA 92532

Product Trade Name: CoatMasters®, CM 6007 Epoxy NOVO HS Coating (Polyamine-Filled System)
CM 6007 Epoxy Resin (Part A) & CM 6007 Polyamine Curing Agent (Part B)

Revision: 06 / 2015

Emergency Telephone: 8:00 AM – 5:00 PM PST Monday-Friday (951) 413-0240

Chemical Family: Solvent based Epoxy Novolac Resin System (VOC Exempt – Group 1)

Use: Protective Coating Related Material

II. HAZARD(S) IDENTIFICATION

Part A Hazard Statement: Generally the material is Hazardous.

GHS CLASSIFICATION:

Acute Toxicity Oral – Category 3

Acute Toxicity Inhalation – Category 3

Skin Irritation – Category 1

Eye Irritation – Category 2A

GHS label elements (Hazard Pictogram Symbols)

Signal Word: Warning



Hazard Statements:

H315 Causes skin irritation;

H319 Causes serious eye irritation;

H317 May cause an allergic skin reaction

H335 May cause respiratory irritation

Precautionary Statement:

Wash thoroughly after handling, wash face, hands and any exposed skin after handling to avoid any mild irritation. Get medical attention if skin irritation persistently occurs.
Do not breathe mist/vapors, avoid breathing odor and wear protective mask if irritation persists.
Keep container tightly closed after using the material.
Store container tightly closed in cool/well-ventilated place to avoid spills and leaks.
Wear protective gloves and eye/face protection (safety glasses/goggles) to minimize any form eye and skin irritation.

Part B Hazard Statement: Generally the material is Hazardous.

GHS CLASSIFICATION:

Acute Toxicity Oral – Category 3

Acute Toxicity Dermal – Category 4

Acute Toxicity Inhalation – Category 3

Skin Irritation – Category 1

Eye Irritation – Category 1

GHS label elements (Hazard Pictogram Symbols)

Signal Word: Danger



Hazard Statements:

H312 Harmful contact with skin
H314 Causes severe skin burns and eye damage
H317 May cause an allergic skin reaction
H331 Toxic if inhaled
H341 Suspected of causing genetic defects
H373 May cause damage to organs through prolonged or repeated exposure

Precautionary Statement:

Wash thoroughly after handling, wash face, hands and any exposed skin after handling to avoid any mild irritation. Get medical attention if skin irritation persistently occurs.
Do not breathe mist/vapors, avoid breathing odor and wear protective mask if irritation persists.
Keep container tightly closed after using the material.
Store container tightly closed in cool/well-ventilated place to avoid spills and leaks.
Wear protective gloves and eye/face protection (safety glasses/goggles) to minimize any form eye and skin irritation.

III. COMPOSITION / INFORMATION ON INGREDIENTS

	Part A	NFPA ; 2,2,1
Chemical Name	CAS Reg No.	Wt%
Epichlorohydrin	Proprietary	70-90
Glycidyl Ether	68609-97-2	10-30
4-Chlorobenotrifluoride (PCBTF)	98-56-6	5-15
Iron Oxide	1332-37-2	1-2

	Part B	NFPA ; 2,2,1
Modified Cycloaliphatic Amine of C-18 unsaturated fatty acid	Proprietary	20-30
Ceramic microspheres	Proprietary	50-70
Butanol, 1-	71-36-3	3-5
Methylenebiscyclohexamine, 4,4	1761-71-3	<3
Triethylenetetramine	112-24-3	<1.5
Methyleneoxide, polymer with hydrogenated benzamine	135108-88-2	<12
4-Chlorobenotrifluoride (PCBTF)	98-56-6	5-15

If CAS Registration Number is listed "Proprietary", the specified chemical has been declared as a TRADE SECRET.

IV. FIRST AID MEASURES

Eye Contact: If affected eyes, flush with plenty of water for at least 20 minutes. If irritation persists, seek immediate medical attention. Check and remove any contact lenses and/or other obstructions around the area.

Inhalation: Victim must be moved to area with fresh air away from fumes, supplemental oxygen may be given to improve breathing. Get medical attention. If the heart stopped, trained personnel should administer CPR immediately.

Ingestion: If victim is conscious, give small quantities of water and safely induce vomiting and seek physician. If victim is unconscious, move to recovery position and get medical attention immediately. Do not induce vomiting, turn victim to the side and maintain open airway until medical help arrives.

Skin Contact: Wash with plenty of water, and soap affected areas. Remove contaminated clothing and wash thoroughly before use. If irritation persists, seek medical attention.

V. FIRE FIGHTING AND REACTIVITY

Hazardous Polymerization: May occur

Hazardous Thermal Decomposition: May yield ammonia, nitrogen, carbon oxides

Suitable extinguishing media: Alcohol resistant foam, extinguishing powder, carbon dioxide, dry chemical, dry sand.

Unsuitable extinguishing media: High pressure water jet.

Specific hazards in case of fire: None are known.

Special protective equipment and precaution for fire fighters: For fires in enclosed areas, wear self-contained breathing apparatus. Do not inhale combustion gases.

VI. ACCIDENTAL RELEASE MEASURE

Personal Precautions:

DO NOT eat, drink or smoke while cleaning up. Wear protective clothing, safety glasses and impervious gloves (e.g., neoprene gloves). Ensure adequate ventilation. Avoid all sources of ignition, hot surfaces and open flames.

Environmental Precautions:

STOP flow, use inert material, such as sand and/or dry powder and place in an approved waste disposal container.

DO NOT dispose any liquid portion to any drains leading to the city sewer, and conduct preventive measures to avoid potential spills in the future.

Methods for Clean-Up:

If accidentally released or spilled, immediately wipe, scrape or soak up with inert material (e.g. sand, silica gel, saw dust, and common universal binder), and put in designated container for disposal.

Methods for Containment:

Use an approved container for waste disposal, dried and disposed in accordance to HAZMAT disposal guidelines.

VII. HANDLING AND STORAGE

Precautions for Safe Handling:

Avoid contact with eyes. Avoid prolonged repeated skin contact and breathing mists/vapours. Keep container tightly closed, and practice safe handling techniques on lifting. Stir well before using.

Eye and Face Protection: Wear safety glasses with side shields. Use splash resistant goggles for varying wind conditions.

Skin Protection: Use Neoprene, PVC, Butyl Rubber or Nitrile Rubber Gloves.

Work Conditions: Ensure proper air ventilation to avoid concentration build-up

Keep away from children.

Conditions for safe storage, including incompatibilities:

Store at room temperature, and avoid freezing 0 °C / 32 °F and above 100 °C / 212 °F

The product is designed to be used only as Part A & Part B. If solvent is needed to thin, avoid spills and practice steps for VI. Accidental Release Measure.

VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Chemical Name	Part A		NFPA ; 2,2,1
	CAS Reg No.	ACGIH (TLV/TWA)	OSHA (PEL/TWA)
Epichlorohydrin	Proprietary	NE	NE
Glycidyl Ether	68609-97-2	NE	NE
4-Chlorobenotrifluoride (PCBTF)	98-56-6	NE	NE
Iron Oxide	1332-37-2	NE	NE
	Part B		NFPA ; 2,2,1
Modified Cycloaliphatic Amine of C-18 unsaturated fatty acid	Proprietary	NE	NE
Ceramic microspheres	Proprietary	10 mg/m ³ , inhalable particulate 3 mg/m ³ , respirable fraction	15 mg/m ³ , total dust 5 mg/m ³ , respirable fraction
Butanol, 1-	71-36-3	20 ppm	100 ppm
Methylenebiscyclohexamine, 4,4	1761-71-3	NE	NE
Triethylenetetramine	112-24-3	1 ppm	NE
Methyleneoxide, polymer with hydrogenated benzamine	135108-88-2	NE	NE
4-Chlorobenotrifluoride (PCBTF)	98-56-6	NE	NE

PEL-OSHA Permissible Exposure Limit; TLV –ACGIH Threshold Limit Value – TWA Time Weighted Average
 OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA effective June 30, 1993. See 29 CFR 1910.1000 (58 FR 35338)

Appropriate Engineering Controls:

Local exhaust ventilation may be necessary to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source. Provide mechanical ventilation for confined spaces. Use explosion-proof ventilation equipment.

Individual protection measures, such as personal protective equipment:

Respiratory protection:

Wear an approved respiratory equipment if ventilation is inadequate.

Eye protection:

Safety glasses with side shields or chemical goggles must be worn.

Skin protection:

If prolonged or repeated skin contact is likely, chemical resistant gloves should be worn at all times.

General safety measures:

Hand and/or face should be washed before breaks at the end of shift. Avoid contact with skin and eyes. Good personal hygiene practices should always be followed.

IX. PHYSICAL AND CHEMICAL PROPERTIES

FLASH POINT: Part A > 100 °C (212 °F); Part B > 24 °C (100 °F)

PHYSICAL STATE: Part A & B - liquid

COLOR: Part A – tinted color resin (black, blue, red, or green); Part B – yellowish or brown in color

ODOR: distinct odor

SPECIFIC GRAVITY (WATER=1): Part A – 1.14 +/- 0.01; Part B – 1.55 +/- 0.01; Mixed = 1.33 +/- 0.01 at 77 °F (25 °C)

VOLATILE ORGANIC COMPONENT (VOC) mixed: < 50 grams / liter (EPA 24), excluding exempt solvent

X. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions, store material in room temperature and avoid exposure to heat.

Possibility of hazardous reactions: None are known. The product is chemically stable

Conditions to avoid: Heat, sparks, flame and build-up of static electricity.

Materials to avoid: Strong acids and oxidizing agents.

Hazardous decomposition products: Carbon Dioxide, Carbon Monoxide, Hydrocarbons

XI. TOXICOLOGICAL INFORMATION

Primary routes of exposure:

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects:

Assessment of acute toxicity: Virtually a Category 3 material. Ingestion may cause gastrointestinal disturbances. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Oral:

Type of value: LD50

Species: rat

Value: > 2,000 - 10,000 mg/kg

Inhalation:

Type of value: ATE

Value: > 5 mg/l

Exposure time: 4 h

Determined for mist

Dermal:

Type of value: ATE

Value: > 1,000 mg/kg

Assessment other acute effects:

Assessment of STOT single

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Irritation / corrosion: No data is available

Sensitization: No data available

Aspiration Hazard: No data available

Chronic Toxicity/Effects

Repeated dose toxicity: No data available

Genetic toxicity: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

Teratogenicity: No data available

Experiences in humans: No data available

Symptoms of Exposure: No data available

XII. ECOLOGICAL INFORMATION

Toxicity:

Toxicity to fish: No data available

Aquatic invertebrates: No data available

Aquatic plants: No data available

Microorganisms/Effect on activated sludge

Toxicity to microorganisms: No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available.

XIII. DISPOSAL CONSIDERATION

Waste disposal of substance:

The product is suitable for processing at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

XIV. TRANSPORT INFORMATION

This product is not regulated for shipping either by ground or by air.

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Class 55

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

XV. REGULATORY INFORMATION

US Regulatory Information

CERCLA INFORMATION (40CFR302.4) The release of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Response, Compensation, and Liability Act or to any other local agencies.

CLEAN AIR ACT

CLEAN WATER ACT

SARA (311,312) Hazard Classification Acute Health and Chronic Health Hazard

SARA (313) This product does not contain any hazardous chemicals under the reporting requirement of Section 313 of Title III of the Superfund Amendments (40CFR372)

CALIFORNIA PROPOSITION 65: This product contains less than 0.1% of chemical known to the State of California to cause cancer.

Ingredient name		No significant risk level	Maximum acceptable dosage level
Oxirane, 2-(phenoxyethyl)-	Cancer / Reproductive: Yes / No	5 ug/day	Not available
Oxirane, 2-(chloromethyl)-	Cancer / Reproductive: Yes / Yes	9 ug/day	Not available

XVI. OTHER INFORMATION

These information are all offered in good faith, IMRAE Corporation disclaims any warranty, liability or any injury that may result to the inappropriate or misuse of the material other than as intended for the use of the product. It is the responsibility of the user to examine the product, and ensure all applicable laws and regulations are met at all levels from city, county, state, and federal guidelines in terms of handling, safety, and disposal.

All data reported are typical values, and as not as product specifications, see Technical Data Sheet for more detailed information or contact IMRAE for specific questions. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable.

HMIS:

Flammability	1	Reactivity	0	Health	2
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NFPA:

Flammability	1	Reactivity	0	Health	2
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