

Material Safety Data Sheet

Reviewed 1/01

Section I

Manufacturer's Name

Coatings For Industry, Inc.

Emergency Response #

1-800-535-5053

Non-Emergency #

215-723-0919

Address

319 Township Line Road
Souderton, PA 18964

Trade Name & Synonyms

Wearcoat 480 Part A

Product Class

Epoxy Resin

Section II - Hazardous Ingredients

Chemical	Wt. %	ACGIH TLV	OSHA PEL	Cas No.
--Carbonic Ester Secret	1-5	n/e	n/e	Trade
-- Crystalline silica	30-40 mg/m3	0-05 mg/m3	10/(% Q+2)	14808607
-- Bisphenol A diglycidyl ether resin	40-60	n/e	n/e	25068386
-- Cyclic Ester	1-5	n/e	n/e	Trade Secret

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"TLV" means the Threshold Limit Value exposure (eight-hour, time -weighted average, unless otherwise noted) as established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA permissible Exposure Limit. "n/e" indicates that no exposure limit has been established. An asterisk (*) indicates a substance whose identity is a trade secret of our supplier and unknown to us.

Section III - Physical Data

Specific Gravity:	1.1-1.3	Boiling Point (° F.):	>400
Melting Point (° F.):	n/d	Vapor density (air=1):	>1
Vapor pressure (mmHg):	n/d at 171 ° F.	Evaporation rate (butyl acetate=1):	<1
VOC (grams/liter):	<25	pH (5% solution or slurry in water):	neutral
Percent volatile by volume:	0	Percent solids by weight:	100
Solubility in water:	Negligible		

Section IV - Fire and Explosion Hazard Data

Flash Point ~~~~~ >200 degrees F.

Special Firefighting Procedures - Material will not burn unless preheated. Do not enter confined space without full bunker gear. Firefighters should wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers with water.

Unusual fire and explosion hazards - Heat may rupture closed containers. Heating above 300 ° F in the presence of air may cause slow oxidation decomposition and above 500 ° F. may cause polymerization. Vapors are heavier than air and may travel along floor to an ignition source.

Hazardous products of combustion - When heated to decomposition it emits fumes of Cl-, carbon monoxide, other fumes and vapors varying in composition and toxicity.

Section V - Health Hazard Data

Permissible Exposure Level - None assigned.

Symptoms of acute overexposure

Inhalation - The low vapor pressure of the resin makes inhalation unlikely in normal use.

Eye Contact - Moderate to severe irritant. Contact at elevated temperatures can cause thermal burns.

Skin - Moderate irritant. Contact at elevated temperatures can cause thermal burns. May cause skin sensitization (rashes, hives).

Ingestion - Acute oral toxicity is low. May cause gastric distress.

Effects of chronic overexposure:

Prolonged or repeated skin contact may cause sensitization, with itching, swelling, or rashes on later exposure.

Medical conditions which may be aggravated by exposure:

Preexisting eye and skin disorders. Development of preexisting skin or lung allergy symptoms may increase.

First Aid

Eyes - Flush eye with clean water for at least 15 minutes while gently holding eyelids open. Get immediate medical attention.

Skin - Immediately remove contaminated clothing and excess contaminant. Flush skin with water. Wash thoroughly with soap and warm water. Consult a physician if irritation develops.

Inhalation - Remove patient to fresh air. Administer oxygen if breathing is difficult. Get medical attention if symptoms persist.

Ingestion - Do NOT induce vomiting. Give two glasses of water to dilute if patient is conscious. Get medical attention.

Primary Route(s) of Entry

Skin contact, Skin absorption, and Eye contact.

Carcinogenicity -- OSHA regulated: No **ACGIH:** No **National Toxicology Program:** Yes
International Agency for Research on Cancer: Yes
Cancer-suspect constituent(s): quartz

Other effects:

Over exposure to "cyclic ester" is expected to cause symptoms of Central Nervous System depression.

Section VI - Reactivity Data

Stability ~~~~~ Stable

Hazardous Polymerization ~~~~~ Will not occur.

Incompatibility ~~~~~ Strong oxidizers, acids, bases, and epoxy hardeners under uncontrolled conditions.

Conditions to Avoid ~~~~~ Heat and warm storage.

Hazardous Decomposition Products ~ Carbon monoxide, carbon dioxide, smoke. Other possible products unknown.

Section VII - Spill or Leak Procedures

Spill control - Avoid personal contact. Eliminate ignition sources. Ventilate area.

Containment - Dike, contain and absorb with clay, sand or other suitable material.

Special procedures - Prevent spill from entering drainage/sewer systems, waterways, and surface waters.

Cleanup - For large spills, pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand, or other suitable material and dispose of properly. Flush area with water to remove trace residue.

Section VIII - Special Protection Information

Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after using and particularly before eating, drinking, smoking, applying cosmetics, or using toilet facilities.

Launder contaminated clothing and protective gear before reuse. Discard contaminated leather articles.

Handle mixed resin and hardener in accordance with the potential hazard of the curing agent used. Provide appropriate ventilation/respiratory protection against decomposition products during welding/flame cutting operations and to protect against silica dust during sanding/grinding of cured product.

Section IX - Special Precautions

Precautions to be taken in handling and storing - This material may cause sensitization. Do not get in eyes, on skin or clothing. Do not allow contaminated clothing to contact skin. Avoid contact with vapors or fumes.

Other Precautions - Wear protective equipment.

Section X - Supplemental Information

Regulatory Information - None.

SARA and WHMIS Hazard Classifications - This material has been categorized as having the following hazard(s) as defined by SARA Title III regulations (40 CFR 370) - acute.

Canadian WHMIS Classification - D2B (squeegee), D2A, D2B (roller).

SARA section 313 listed ingredients - The following ingredients in this material are subject to the reporting requirements of section 313 of SARA and 40 CFR 372 (see section II for percentage of ingredient(s)).

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Section X - Supplemental Information (cont.)

D.O.T. Proper Shipping Name - Not regulated by D.O.T. - HMR

Notice - This information is presented in good faith and believed to be accurate as of the effective date below. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Coatings For Industry, Inc. Assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material, such vendees or users assume all risks associated with the use of the material. Regulatory requirements are subject to change and may differ from one location to another: it is the buyer's responsibility to ensure that its activities comply with federal, state, and local laws. The preceding specific information is made for the purpose of complying with numerous federal, state, and local laws and regulations.

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