

Material Safety Data Sheet

2/04

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 495 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	1-10	0-05 mg/m3	10/(% Q+2) mg/m3	14808607
-- Bisphenol A diglycidyl ether resin	30-60	n/e	n/e	25068386
-- Cyclic Ester	1-5	n/e	n/e	Trade Secret

"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:	1.55	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):	<2	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 ~~~~~ >400 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

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.

Note to physician:

In general, emesis induction is unnecessary in high viscosity, low volatility products, e.g., neat epoxy resins.

Section V - Health Hazard Data (Cont'd)

Primary Route(s) of Entry

Skin contact, Skin absorption, and Eye contact.

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

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 Lewis or mineral acids, strong oxidizing agents, strong mineral and organic bases (especially primary and secondary aliphatic amines).

Conditions to Avoid: Open flame and extreme heat, oxidizing conditions.

Hazardous Decomposition Products: Oxides of carbon; aldehydes, acids and other organic substances may be formed during combustion or elevated temperature (>500 F) degradation.

Conditions of hazardous polymerization: Heat is generated when resin is mixed with curing agents; Run-a-way cure reactions may char and decompose the resin, generating unidentified fumes and vapors which may be toxic.

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

Handling precautions:

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.

Section VIII - Special Protection Information (Cont'd)

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 nuisance dust during sanding/grinding of cured product.

Symptoms of acute overexposure:

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

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

Eyes: Moderate to severe irritant. Contact at elevated temperatures can cause thermal burns.

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.

Other effects:

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

Section IX - Special Precautions

Storage precautions:

Store in a cool, dry area away from high temperatures and flames.

Section X - Supplemental Information

TSCA:

All ingredients of this product are listed, or are exempt from listing, on the TSCA Inventory.

The following RCRA code (s) applied to this material if it becomes waste: None

Section X - Supplemental Information (Cont'd)

Regulatory status of hazardous chemical constituents of this product:

Constituent	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	TSCA 12B Export Notification

Crystalline silica	No	No	No	Not required
Bisphenol A Diglycidyl ether resin	No	No	No	Not required
Carbonic Ester	No	No	No	Not required
Cyclic Ester	No	No	No	Not required

*Consult the appropriate regulations for emergency planning and release reporting requirements for substances on the SARA Section 301 Extremely Hazardous Substances list.

**Substances for which the "Toxic Chemical" column is marked "Yes" are on the SARA Section 313 list of Toxic Chemicals, for which release reporting may be required. Consult the appropriate regulations for specific requirements.

Classification of this material for SARA Section 312 hazardous materials inventory reporting:
Immediate health hazard, Delayed health hazard

Section X - Supplemental Information (cont.)

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

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