

Vanberg Specialized Coatings

Material Safety Data Sheet



SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ARMORCOAT X'TRA FAST RESIN PART A
IDENTIFICATION NUMBER: 82414, 82414-375, 82414-15, 82414-AG, 82414-AR
SUPPLIER/MANUFACTURER: VANBERG SPECIALIZED COATINGS
10705 COTTONWOOD ST
LENEXA, KS 66215-2032

CHEMTREC: 800-424-9300; 24 HOURS
PREPARER: VSC
PHONE: 913-599-5939
PREPARE DATE: SEPTEMBER, 4 2012

SECTION 2 – COMPOSITION/INFORMATION OF INGREDIENTS

CHEMICAL NAME	CAS NUMBER	OSHA PEL	ACGIH TLV	OSHA STEL	WT/WT %
Bisphenol A Epoxy Resin	25068-38-6	NE	NE	NE	65-80
Alkyl Phenol	84852-15-3	NE	NE	NE	5-10
Hexylene Glycol	107-41-5	NE	25 ppm	NE	10-15

Depending on color, one or more of the following may be present:

CHEMICAL NAME	CAS NUMBER	OSHA PEL	ACGIH TLV	WT/WT %
Titanium Dioxide	13463-67-7	NE	10 mg/m ³	1-5
Chromium Oxide	130838-9	.5 mg/m ³	.5 mg/m ³	<1
Black Iron Oxide	1317-61-9	10 ppm	10 mg/m ³	<1
Red Iron Oxide	1332-37-2	10 ppm	10 mg/m ³	1-5
Yellow Iron Oxide	51274-00-1	10 ppm	10 mg/m ³	<1

*No toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372.

SECTION 3 – HAZARDS IDENTIFICATION

Effects of overexposure—eyes

May cause slight transient (temporary) eye irritation. Corneal injury is unlikely.

Effects of overexposure—skin

May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.

Effects of overexposure—inhalation

Vapors are unlikely due to physical properties.

Effects of overexposure—ingestion

No hazard in normal industrial use.

Effects of overexposure—chronic and acute hazards

Not classified as a carcinogen. No known teratological or reproductive effects.

Primary Routes of Entry

Skin contact; inhalation; ingestion, eye contact

SECTION 4 – FIRST AID MEASURES

Eye Contact

Flush eyes with plenty of water.

Skin Contact

Wash off in flowing water or shower.

Inhalation

No adverse effects anticipated by this route of exposure.

Ingestion

If swallowed, do not induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 – FIRE FIGHTING MEASURES**Flash Point**

>200° F

Method used

Closed cup

Flammable Limits In Air By Volume

Lower: Not determined.

Upper: Not determined.

Extinguishing Media

CO₂, dry chemical, foam

OSHA Flammability Classification

Combustible liquid, Class III A

Unusual Fire and Explosion Hazards

Decomposition and/or products of combustion may be toxic.

Special Fire fighting Procedures

Decomposition and/or products of combustion may be toxic. Use self contained breathing equipment.

SECTION 6 – ACCIDENTAL RELEASE MEASURES**Steps to be Taken in Case Material is Released or Spilled**

Flush area with water spray. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways.

SECTION 7 – HANDLING AND STORAGE**Handling**

Wash thoroughly after handling. Avoid contact with skin, eyes, and clothing.

Storage

Keep from freezing. Keep container closed when not in use.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering Controls**

Good general ventilation should be sufficient to control airborne levels.

Respiratory Protection

In poorly ventilated areas, a cartridge mask NIOSH-approved for organic vapors is recommended.

Skin Protection

Where contact is likely, wear chemical resistant gloves, rubber boots, and chemical safety goggles.

Eye Protection

Wear chemical safety glasses with side shields or goggles.

Other Protective Equipment

Nitrile rubber gloves

Hygienic Practices

Wash hands before eating. Remove contaminated clothing and wash before reuse. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Range

>400° F

Vapor Density

Approx. 3.5 (Air = 1)

Vapor Pressure

<1 mm Hg @ 100° F

VOC

0.00

Solubility in Water

Very slight

Appearance & Odor

Clear liquid with a mild, please aroma

Specific Gravity (H2O=1)

1.11

Evaporation Rate

NE

SECTION 10 – STABILITY AND REACTIVITY

Conditions to Avoid

Excess heating above 60°C over long periods of time degrades resin.

Incompatibility

Bases, acids, amines and oxidizing materials.

Hazardous Decomposition Products

Carbon monoxide and phenolics in a fire.

Hazardous Polymerization

Will not occur under normal conditions

Stability

This product is stable under normal storage conditions.

SECTION 11 – HMIS RATINGS

Health	1
Flammability	1
Reactivity	0
Personal	B

SECTION 12 – ECOLOGICAL INFORMATION

Exotoxicity

Material is highly toxic to aquatic organisms on an acute basis.

Environmental Fate

Bioconcentration potential is low. Biodegradation under aerobic static laboratory conditions is below detectable limits.

SECTION 13 – DISPOSAL CONSIDERATIONS

Comply with all Federal, State and Local Regulations.

SECTION 14 – TRANSPORTATION INFORMATION

DOT Proper Shipping Name: N/A
DOT Technical Name: RESIN COMPOUND, NOT REGULATED.
DOT Hazard Class: N/A
DOT UN/NA Number: N/A
Packing Group: N/A

RQ (Reportable Quantity):

N/A

SECTION 15 – REGULATORY INFORMATION

SECTION 16 – OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.