



## Armorcoat 65 Metal Coating Part A

### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ARMORCOAT 65 METAL COATING PART A  
IDENTIFICATION NUMBER: AC105-1, AC105-2, AC105-10, AC144-1, AC144-2, AC144-10  
SUPPLIER/MANUFACTURER: VANBERG SPECIALIZED COATINGS  
10705 COTTONWOOD ST  
LENEXA, KS 66215-2032

EMERGENCY # 1-800-255-3924  
PREPARER: VSC  
PHONE: 913-599-5939  
PREPARE DATE: OCTOBER 22, 2015

### SECTION 2 – HAZARDS IDENTIFICATION

**GHS Classification:** Flammable liquid category 3, Specific target organ toxicity following repeated exposure category 2, Specific target organ toxicity – single exposure category 3, Aspiration hazard category 2, Acute dermal toxicity category 4, Skin corrosion/irritation category 2, skin sensitizer category 1B, Serious eye irritation category 2, Acute toxicity inhalation category 4, Acute hazard to aquatic environment category 3

**GHS Label Elements and Precautionary Statements:**

**Label Elements:** Flame, Health hazard, Exclamation Mark



**Hazard Statements:**

Warning: Flammable liquid and vapor.  
Warning: May cause damage to organs (auditory system) through prolonged or repeated exposure  
Warning: may cause drowsiness or dizziness  
Warning: May be harmful if swallowed and enters airways  
Warning: Harmful in contact with skin  
Warning: Causes skin irritation  
Warning: May cause an allergic skin reaction  
Warning: Causes serious eye irritation.  
Warning: Harmful if inhaled  
Harmful to aquatic life.

**Precautionary statements:**

P102 Keep out of reach of children.  
P103 Read label before use  
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.



*ethyl benzene (as a component of xylene)	100-41-4	100 ppm	100 ppm	125 ppm	0-5.0
*toluene (as a component of xylene)	108-88-3	200 ppm	200 ppm	150 ppm	0-0.2
Propylene Glycol Monomethyl Ether	107-98-2	100 ppm	100 ppm	150 ppm	10-30

### SECTION 3 NOTES:

\*\*\* Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372.

ACGIH STEL=150PPM FOR XYLENE.

**Note:** Ingredients listed without percentages, the percentages are considered a trade secret.

## SECTION 4 – FIRST AID MEASURES

**Eyes:** Flush eyes with water for at least fifteen minutes and consult a physician.

**Skin:** Skin contact will normally cause no more than irritation but wash affected area with soap and water and remove contaminated clothing promptly.

**Ingestion:** Do not induce vomiting, keep person warm and consult a physician immediately.

**Inhalation:** Remove victim to fresh air and administer oxygen if necessary.

## SECTION 5 – FIRE FIGHTING MEASURES

**Flammable Limits in Air (% by volume):** Upper: not available Lower: not available

**Flash Pt:** 75°F (24°C)

**Method Used:** Seta Flash

**Extinguishing Media:**

Foam, alcohol foam, CO<sub>2</sub>, dry chemical.

**Special Fire Fighting Procedures:**

Do not enter confined fire area without full bunker gear including a positive pressure NIOSH approved self-contained breathing apparatus. Cool all fire exposed containers with water. Presence of solvents in products may require grounding.

**Unusual Fire and Explosion Hazards:**

If fire occurs, solvents may produce excessive pressure. Sealed drums may rupture and ignite. Vapors are heavier than air and may travel along the ground and ignite by any source of ignition. Never use a cutting or welding torch near containers (even empty). All 5 gallon and larger containers should be grounded before transferring material.

## SECTION 6 – RELEASE MEASURES

### Steps to Be Taken in Case Material Is Released or Spilled

Wear respirator and protective clothing. Remove all sources of ignitions. Remove excess with vacuum truck and take up the remainder with an absorbent material such as clay and place in disposal containers. Flush area with water to remove residue.

## SECTION 7 – HANDLING AND STORAGE

### Precautions to Be Taken in Handling and Storage:

Store in a cool dry place. Seal all partially used containers. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Mixed materials contain the hazards of all the components, therefore, read the SDS of all the components prior to using material. Properly label all containers. Keep material away from all sources of ignition.

### Other Precautions:

Avoid all skin contact. Avoid breathing vapors generated from the material. Observe conditions of good general hygiene and safe working practices. Contaminated leather articles can not be cleaned and must be discarded if contaminated with this product. Wash all contaminated clothing prior to the reuse thereof. Wear appropriate safety equipment and respirator at all times when ventilation is not sufficient to control vapors.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

### Respiratory protection:

Use a NIOSH approved respirator as required to prevent over exposure to vapor in accordance with 29 CFR 1910.134. Engineering or administrative measures should be taken to reduce the risk and exposure.

### Ventilation:

Provide sufficient mechanical (general and local exhaust) ventilation to maintain exposure below toxic level values.

**Protective gloves:**

Impervious gloves – neoprene or rubber.

**Eye protection:**

Splash goggles or glasses with side shields.

**Other protective clothing or equipment:**

Wear body covering clothing and other coverings as necessary such as apron and appropriate footwear to avoid contact with material.

**Work hygienic practices:**

Observe good general hygienic practices.

See Section 3 for occupational exposure limit values.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance and Odor:** pale tallow liquid with solvent odor

**Boiling Point or Range:** 243-279°F (117-137°C)

**Vapor Density (Air = 1):** N/A

**Specific Gravity (H<sub>2</sub>O = 1):** 1.0

**Evaporation Rate:** N/A

**Solubility in Water:** negligible

**Odor Threshold:** N/A

**pH:** N/A

**Melting point/freezing point:** N/A

**Vapor Pressure:** N/A

**Auto Ignition Temperature:** N/A

**Partition Coefficient: n-octanol/water:** N/A

**Decomposition Temperature:** N/A

**SECTION 10 – STABILITY AND REACTIVITY****Stability:**

Stable

**Conditions to Avoid (Stability):**

Avoid excessive heat or open flames as well as all sources of ignition such as sparks, heaters, and static discharges etc.

**Incompatibility (Material to Avoid):**

Avoid amine curing agents in uncontrolled amounts and strong oxidizing agents.

**Hazardous Decomposition or By-Products:**

May form toxic chemicals, carbon dioxide, carbon monoxide and various hydrocarbons etc.

**Hazardous Polymerization:**

Will not occur.

**SECTION 11 – Toxicological Information**

No data for the product itself.

**Component data:**

**Component Solid Epoxy Resin** CAS# 25036-25-3: May Cause Sensitization by skin contact or through inhalation.

**Component Xylene:** Inhalation LC50 26800ppm, Skin LD50 2000 mg/kg, Ingestion LD50 4.3 g/kg. Exposure may effect skin, eye, liver, kidney, nervous system, respiratory system and lungs. High concentrations may lead to nervous system effects.

Repeated overexposure has produced toxic effects in developing and young laboratory animals. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal. Xylene may contain ethyl benzene, and toluene. Ethyl benzene has shown limited evidence of a carcinogenic effect.

**Component CAS# 107-98-2:** Ingestion LD50 rat 4016 mg/kg, Dermal LD50 rabbit >2000 mg/kg, Inhalation LC50 6 hr Vapor, rat >25.8 mg/l. May cause eye or skin irritation. May effect Kidney or liver. Has been reported to be toxic to fetus in laboratory animals.

## SECTION 12 – ECOLOGICAL INFORMATION

**No data for the product itself.**

**Component data:**

**Component Xylene:** Acute Toxicity: Fish: Toxic 1 < LCECIC50 < 10mg/l, Aquatic Invertebrates: Toxic 1 < LC/EC/IC50 < 10mg/l, Algae: Toxic 1 < LC/EC/IC50 < 10 mg/l. Mobility – floats on water. If it enters the soil it will be highly mobile and may contaminate groundwater. Oxidises rapidly by photo-chemical reactions in air.

**Component CAS@ 107-98-2:** Bioconcentration potential is low (BCF less than 100). Potential for mobility in soil is high (KOC between 0 and 50). Material is readily biodegradable and is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 > 100mg/l in the most sensitive species tested.. LC50 fathead minnow 96 hr 20800 mg/l, LC50 water flea 48 hr lethally 23300 mg/l, EbC50 green algae biomass growth inhibition 7 d > 1000 mg/l. Toxicity to microorganisms IC50 activated sludge > 1000 mg/l

## SECTION 13 – WASTE DISPOSAL

**Waste Disposal Method**

Dispose of the material in a waste disposal site in accordance with local, state, and federal laws.

## SECTION 14 – TRANSPORT INFORMATION

**DOT:** UN1993, FLAMMABLE LIQUID N.O.S. (CONTAINS XYLENE), 3, PG III

**IMO/IMDG:** UN1993, FLAMMABLE LIQUID N.O.S. (CONTAINS XYLENE), 3, PG III

## SECTION 15 – REGULATORY INFORMATION

**No data for the product itself.**

**Component data:**

All Chemicals on TSCA list

This product contains chemicals listed on California Proposition 65 list.

This product contains Chemical(s) subject to reporting requirements section 313 – xylene @ < 26%. % (ethyl benzene < 5.0% and toluene < 0.1% as a component of xylene).

All components of this product are on the Canadian Domestic Substance list

**Component Xylene:** Xylene contains EPCRA section 313 chemicals subject to the reporting requirements of the emergency planning and community right to know act of 1968. (Maximum wt % for components of xylene are: M-Xylene CAS# 108-38-3 is 46%, P-Xylene CAS# 106-42-3 is 20%, Ethyl Benzene CAS# 100-41-4 is 19%, O-Xylene CAS# 95-47-6 is 16%.. Xylene and its components are on the California Proposition 65 list for developmental toxicity, Reproductive toxicity and carcinogen list.

Ingredients are on the TSCA list, DSL Canada, AICS, China, EINECS, ENCS, Korea, New Zealand, Phillipines inventory lists and on the Massachusetts, New Jersey, Pennsylvania right to know lists Ethyl Benzene a component of xylene has been designated by IARC as a possible carcinogen to humans based on increased tumor incidence in laboratory animals. risk phrases R10 Flammable R20/21 Harmful by inhalation and in contact with skin, R38 irritating to skin, S25 Avoid contact with eyes.

**Component CAS# 107-98-2;** on the PA right to know list. Product is on the TSCA list and DSL Canada

**Component Solid Epoxy Resin** on the Pennsylvania right to know list

**WHMIS HAZARD CLASSIFICATION:** Class B Division 2, Class D Division 2B

## SECTION 16 – OTHER INFORMATION

N/A = Not Available

See Section 1 for date of preparation

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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.

**END OF SDS**