



## MATERIAL SAFETY DATA SHEET

### low VOC AirWrap Plastic Coating

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Revision Date: 3/12/16

Version 4.2

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#### 1. Product and Company Identification

Company

Raail Performance Coatings LLC.

3501-A Brehms Ln

Baltimore MD, 21213

24 Hour Emergency Contact

Raail Performance Coatings LLC.

301-646-6921

Chemtrec

1-800-424-9300

Synonyms: Plastic Coating, Protective Coating, Elastic Coating

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#### 2. Hazardous Information

**WARNING! FLAMMABLE LIQUID AND VAPORS. KEEP AWAY FROM HEAT, SPARKS, FLAME AND SOURCE OF IGNITION. USE WITH ADEQUATE VENTILATION TO PREVENT BUILDUP OF VAPORS. HARMFUL INHALED. HARMFUL OR FATAL IF SWALLOWED. MAY AFFECT NERVOUS SYSTEM, CAUSING HEADACHE OR DIZZINESS. DO NOT OPERATE MACHINERY OR MOTOR IF FEELING ANY OF THESE EFFECTS.**

**EMERGENCY TELEPHONE NUMBERS 1-301-300-3872**

Liquid state matter.  
 Various colors or cloudy milky binder  
 Characteristic in smell



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**STORAGE:** Do not use or store this product near any spark or source of heat/flame. Keep in a cool, dry spot. Keep Container closed when not in use.

**DISPOSAL:** Dispose in accordance of federal, state and local regulations.

**FIRST AID:** IF SWALLOWED, DO NOT induce vomiting. Immediately contact your poison control center, hospital emergency room or physician immediately for instructions. If affected by INHALATION of vapor or spray mist, remove self to fresh air. In case of EYE CONTACT, flush eye for 15 minutes with water. In case of SKIN CONTACT, wash with soap and water. If irritation persist, get medical attention.

**NOTICE:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain damage. Misuse by inhalation this material may be harmful to your health and fatal.

### 3. Composition of Hazardous Materials.

VOC Content: 2.76lbs/gal.

CAS Number	%	Chemical Name
98-56-6	25-30	Poly-chlorobenzotrifluoride
108-88-3	20-25	Acetone
8032-32-4	5-10	VM&P Naptha

79-20-9	5-10	Methyl Acetate
78-93-3	5	Methyl Ethyl Ketone
64741-65-7	5-10	Naphtha (petroleum), heavy alkylate



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#### 4. First Aid Measures

**If Inhaled:** Remove individual to fresh air. If dizzy or sense of confusion/headache keep away from material until symptoms subside. Affected should not operate a motor vehicle if feeling dizzy or have had continuous exposure to material.

**If on skin:** Wash thoroughly with soap and water. If irritation develops seek medical attention.

**If in eyes:** Wash eyes thoroughly with water for 15 minutes. Check and remove any contact lenses. Get Medical attention.

**If Swallowed:** DO NOT induce vomiting unless directed by medical personnel. Get medical attention if symptoms appear.

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#### 5. Fire and Explosion Data

**Flammability of the product:** Flammable

**Flash Point:**  $\leq 30^{\circ}\text{C}$  ( $\leq 86^{\circ}\text{F}$ )

**Products of Combustion:** These Products are carbon oxides (CO, CO<sub>2</sub>)

**Fire Hazards in Presence of Various Substances:** Highly Flammable in presence of open flames and sparks, of heat. Non- flammable in presence of shock.



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**Fire Fighting Media and Instructions:** Flammable liquid, soluble or dispersed in water. small fire use DRY chemical powder. Large fire use alcohol foam water spray or fog. Cool containing containers with water jet to prevent pressure build up, autoignition or explosion.

**Special Remarks on Explosion hazards:** Vapors may form explosive mixtures with air. Containers may explode when heated. An Attempt to Chlorinate with 1,3-Dichloro-5,5-dimethyl-2,4-imidazolidindione (dichloroydration) causes a violent explosion to xylene.

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#### 6. Accidental Release Measures

**Cleanup:** Access or liquid waste should be disposed of by your state and local guidelines for hazardous materials. Small spill use absorbing towel and allow to air dry. Solidified material and be disposed of in a normal fashion.

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#### 7. Handling and Storage

**Storage:** Store product between 55- 90 degrees F. No special precautions necessary. Avoid extreme heat. Store protected from freezing and extreme cold.

**Shelf Life:** Product has a one year shelf life



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#### 8. Exposure and Personal Protection

**Advice on system design:** Provide local exhaust ventilation to control vapor and mist.

**Personal Protective Equipment.** Wear a NIOSH- Certified (or equivalent) organic vapour respirator.

**Hand Protection:** Chemical resistant gloves

**Eye Protection:** wear chemical goggles if a splashing hazard exists.

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#### 9. Physical and Chemical Properties

Form: Liquid, viscous

Odour: Characteristic

Color: Various decorative colors

Boiling Point: 144C - 291.2F

Approximate Weight per Gallon: 6.6lbs

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## 10. Stability and Reactivity Data

**Stability:** This product is stable

**Conditions for Stability:** Heat, ignition sources, incompatibles



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**Incompatibility with various substances:** Reactive with oxidizing agents, acids

**Corrosivity:** Non-Corrosive in the presence of metals, glass

**Special remarks on reactivity:** Store away from acetic acid, nitric acid, chlorine, bromine, and fluorine

**Polymerization:** Will not occur.

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## 11. Toxicological Information

**Possible route of entry:** skin absorption. Dermal contact. Eye contact. Inhalation.

**Chronic Effects on Humans:** CARCINOGENIC EFFECTS: 3 by IARC (not classifiable for human) May cause damage to the following organs: blood, Kidneys, liver, mucous membranes, bone marrow, central nervous system

**Toxic effects on humans:** Hazardous in case of skin contact, ingestion and inhalation. Acute

potential health effects. Skin causes skin irritation. Eyes causes eye irritation. Inhalation vapor causes respiratory tract and mucous membrane irritation. May affect central nervous system and behavior as a depressant with effects including headache, weakness, memory loss, irritability, dizziness, giddiness, loss of coordination and judgment, respiratory depression arrest or difficulty breathing, loss of appetite, nausea, vomiting, shivering and possible coma or death)



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Ingestion may cause gastrointestinal irritation including abdominal pain, vomiting and nausea. May also affect the liver and urinary system/kidneys. Chronic Potential health effects by inhalation may affect the the urinary system/ kidneys, blood, bone marrow, brain/behavior/central nervous system. May also cause mucosal bleeding. Chronic ingestion may affect the liver and metabolism and damage kidneys.

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## 12. Ecological Information

### AQUATIC ECOTOX DATA

#### Fish:

LC50 (96 hr.) (Rainbow trout) 13.5 mg/L

LC50 (96 hr.) (Bluegill sunfish) 12.0 mg/L

MATC (31 day) (Fathead minnow) >0.54 <1.4 mg/L\*

\*Triethylene glycol used as solvent carrier

BCF (48 hr.) (Bluegill sunfish) 121.8 & 202.0

#### Invertebrates:

LC50 (48 hr.) (Water flea) 12.4 mg/L

MATC (21 day) (Water flea) >0.03 < 0.05 mg/L\*

**\*Acetone used as solvent carrier**

**Plants:**

**IC50 (72 hr.) (Green & Blue-green algae) 500 mg/L**

**TERRESTRIAL ECOTOX DATA**

**No data available**

**Bioaccumulation:** This product has not been tested. The products of degradation are less toxic than the product itself.

### **13. Disposal Considerations**

**Waste Disposal:** Liquid waste must be disposed of in accordance with federal, state and local regulations.

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### **14. Transportation Information**

DOT Hazard Flammable Class 3

DOT Packing Group II

DOT UN1139 Coating Solution



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IATA Hazard Class 3

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## 15. Regulatory Information

**VOC content: 2.76lbs/gL**

**OSHA:** Hazardous by definition of Hazard Communication Standard (29CFR 1910, 1200)

### HMIS (USA)

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: H

### National Fire Protection Association (USA)

Health: 2

Flammability: 3

Reactivity: 0



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Protective Equipment: Gloves. Vapor respirator. Be sure to use a certified respirator or equivalent. Wear appropriate respirator. Splash goggles.

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## 16. Other Information

**References:**

**Other Considerations:**

**Created:** 3/12/2016

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. user should make their own investigations to determine the suitability of the information for their particular purposes. in no event shall Raail performance coatings be liable for any claims losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Raail performance coatings has been advised of the possibility of such damages.*