

SAFETY DATA SHEET

Airwrap Plastic Coating

Revision: 9/22/2017

1. PRODUCT AND COMPANY IDENTIFICATION

| | | |
|---------------------------------------|--|----------------------|
| Product Name | Airwrap Plastic Coating | Phone Number: |
| Company Name: | Raail Performance Coatings 3501 Brehms LN Unit A Baltimore, MD | 301-646-6921 |
| Website address: | www.raail.com | |
| Emergency Contact Information: | Raail Performance Coatings / Chemtrec | 1-800-424-9300 |
| Intended Use: | Spray on coating | |
| Synonyms | Plastic Coating, Protective Coating, Elastic Coating | |

2. HAZARDS IDENTIFICATION

Flammable Liquids, Category 3
 Acute Toxicity: Inhalation, Category 4
 Skin Corrosion/Irritation, Category 4
 Serious Eye Damage/Eye Irritation, Category 2
 Germ Cell Mutagenicity, Category 2A
 Toxic To Reproduction, Category 1B
 Target Organ Systemic Toxicity (single exposure), Category 3
 Target Organ Systemic Toxicity (repeated exposure), Category 2
 Aspiration Toxicity, Category 1



GHS Signal Word:
GHS Hazard Phrases:

H304 May be fatal if swallowed and enters airways.
 H312 + H332: Harmful if inhaled.
 H315: Causes skin irritation.
 H319: Causes serious eye irritation.
 H335: May cause respiratory irritation
 H336: May cause drowsiness or dizziness. .
 H351: Suspected of causing cancer
 H360: May damage fertility or the unborn child
 H373: May cause damage to organs through prolonged or repeated exposure.

Danger

H225: Highly flammable liquid and vapor.

GHS Precautionary Phrases:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
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/ equip- ment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

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| <p>P264 Wash skin thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. Response:</p> <p>P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P308 + P313 IF exposed or concerned: Get medical advice/ attention.</p> <p>P331 Do NOT induce vomiting.</p> | <p>P332 + P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P337 + P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P362 Take off contaminated clothing and wash before reuse.</p> <p>P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Storage:</p> <p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P403 + P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up. Disposal:</p> <p>P501 Dispose of contents/ container to an approved waste disposal plant.</p> |
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OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic):

Inhalation Acute Exposure Effects: Vapor harmful. May cause dizziness; headache; watering of eyes; irritation of respiratory tract; weakness; drowsiness; nausea; numbness in fingers, arms and legs; depression of central nervous system; loss of appetite; fatigue; hallucinations; light headedness; visual disturbances; giddiness and intoxication; sleepiness; cough and dyspnea; cold, clammy extremities; diarrhea; vomiting; dilation of pupils; spotted vision. Severe overexposure may cause convulsions; unconsciousness; coma; and death. Intentional misuse of this product by deliberately concentrating and inhaling can be harmful or fatal.

Skin Contact Acute Exposure Effects: May be absorbed through the skin. May cause irritation; numbness in the fingers and arms; drying of skin; and dermatitis. May cause increased severity of symptoms listed under inhalation.

Eye Contact Acute Exposure Effects: This material is an eye irritant. May cause irritation; burns; conjunctivitis of eyes; and corneal ulcerations of the eye. Vapors may irritate eyes.

Ingestion Acute Exposure Effects: Poison. Cannot be made non-poisonous. May be fatal or cause blindness. May cause dizziness; headache; nausea; vomiting; burning sensation in mouth, throat, and stomach; loss of coordination; depression of the central nervous system; narcosis; stupor; gastrointestinal irritation; liver, kidney, and heart damage; diarrhea; loss of appetite; coma and death. May produce symptoms listed under inhalation.

Chronic Exposure Effects: Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Prolonged or repeated contact may cause dermatitis. Prolonged skin contact may result in absorption of a harmful amount of this material. May cause conjunctivitis; gastric disturbances; insomnia; dizziness; headache; weakness; fatigue; nausea; heart palpitations; skin irritation; numbness in hands and feet; permanent central nervous system changes; some loss of memory; pancreatic damage; giddiness; visual impairment or blindness; kidney or liver damage; and death. May cause symptoms listed under inhalation.

Target Organs: Central Nervous System, Liver, Kidney, Heart, Stomach, Respiratory System

Medical Conditions Generally Aggravated By Exposure: Diseases of the skin, eyes, liver, kidneys, central nervous system and respiratory system.

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3. Composition on ingredients. (may contain up to the following in combination)

HAZARDOUS COMPONENTS:

| CAS Number | Content (W/W) | Chemical Name |
|------------|---------------|--|
| 1330-20-7 | 35-40.0% | Xylene,Xylol |
| 8032-32-4 | 25-30.0% | Naptha |
| 64742-47-8 | 13-15.0% | Petroleum distillate- Light hydrotreated |
| 78-93-3 | 13-15.0% | Methyl Ethyl Ketone |
| | | |

4. First Aid Measures

Skin: Immediately begin washing the skin thoroughly with large amounts of water and mild soap, if available, while removing contaminated clothing. Seek medical attention if irritation persists.

Eyes: Immediately begin to flush eyes with water, remove any contact lens. Continue to flush the eyes for at least 15 minutes, then seek immediate medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Ingestion: If swallowed, do not induce vomiting. Seek immediate medical attention. Call a physician, hospital emergency room, or poison control center immediately. Never give anything by mouth to an unconscious person.

Emergency and First Aid Procedures:

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: do NOT induce vomiting. Call a physician, hospital emergency room, or poison control center immediately. Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Poison. This product contains methanol. Methanol is metabolized to formaldehyde and formic acid. These metabolites may cause metabolic acidosis, visual disturbances and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours following ingestion. Ethanol competes for the same metabolic pathway and has been used as an antidote. Methanol is effectively removed by hemodialysis. Call your local poison control center for further information.

5. FIRE FIGHTING MEASURES

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, CO₂)

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

Suitable extinguishing media : Alcohol-resistant foam Carbon dioxide (CO₂) Dry chemical

Unsuitable extinguishing media : High volume water jet

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Aldehydes

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.

Special protective equipment for firefighters : Wear self-contained breathing apparatus

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for firefighting if necessary. Use personal protective equipment.

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.

Small spills: Take up with sand, earth or other non-combustible absorbent material and place in a plastic container where applicable.

Large spills: Dike far ahead of spill for later disposal.

Waste Disposal: Dispose in accordance with applicable local, state and federal regulations.

7. Handling and Storage

Precautions to be taking when handling: Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container. A static electrical charge can accumulate when this material is flowing through pipes, nozzles or filters, and when it is agitated. A static spark discharge can ignite accumulated vapors particularly during dry weather conditions. Always use proper bonding and grounding procedures.

Precautions to be taken when storing: Keep container tightly closed when not in use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.

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

Shelf Life: Product has a one year shelf life

8. Exposure and Personal Protection

CAS # Partial Chemical Name OSHA

TWA ACGIH

TWA Other Limits 8052-41-3 Stoddard solvent {Mineral spirits;

PEL: 500 ppm

TLV: 100 ppm Aliphatic Petroleum Distillates; White spirits}

No data. 25551-13-7 Benzene,

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Trimethyl- No data.

TLV: 25 ppm No data

Respiratory equipment: For OSHA controlled work place and other regular users. Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors. A dust mask does not provide protection against vapors.

Eye protection: Safety glasses, goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

Protective gloves: Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

Other protective clothing: such as impermeable aprons, etc., to minimize exposure. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

Engineering controls: Use only with adequate ventilation to prevent build-up of vapors. Open all windows and doors. Use only with a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea, or eye-watering - Stop - ventilation is inadequate. Leave area immediately.

Work/Hygienic/Maintenance Practices: A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after use.

9. Physical and Chemical Properties

Appearance : liquid Colour : Clear, Colorless

Odour : aromatic, Hydrocarbon-like, sweet Odour

Threshold : No data available

pH : No data available

Freezing Point (Melting point/freezing point) : -48 - -26.15 °C (-54 - -15.07 °F)

Boiling Point (Boiling point/boiling range) : 137 - 139 °C (279 - 282 °F)

Flash point : 27 °C (81 °F)

Method: closed cup Evaporation rate : 0.8 (Butyl Acetate = 1)

Flammability (solid, gas) : No data available

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Upper explosion limit : 7 %(V) Lower explosion limit : 1 %(V)
Vapour pressure : 6 - 7 mmHg @ 20 - 25 °C (68 - 77 °F)
Relative vapour density : 3.7 @ 20 - 25 °C (68 - 77 °F) (Air = 1.0)
Relative density : 0.86 - 0.88 @ 20 - 25 °C (68 - 77 °F)
Reference substance: (water = 1)
Density : 0.87 g/cm³ @ 20 - 25 °C (68 - 77 °F)
Solubility(ies) ; Water solubility : slightly soluble
Solubility in other solvents : No data available
Partition coefficient: noctanol/water : No data available
Auto-ignition temperature : 432 - 530 °C
Thermal decomposition : No data available
Viscosity: kinematic : 0.717 - 0.864 mm²/s @ 20 °C (68 °F)

10. Stability and Reactivity Data

Stability: This product is stable

Conditions for Stability: Heat, ignition sources, incompatibles

Conditions To Avoid - No data available.

Incompatibility with various substances: Reactive with oxidizing agents, acids

Possibility of Hazardous reactions: Will occur [] Will not occur [X]

Conditions To Avoid - No data available. Hazardous Reactions

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.

11. Toxicological Information

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

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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) 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.

CAS# 25551-13-7:

Standard Draize Test, Skin, Species: Rabbit, 500.0 MG, 24 H, Moderate. Result: Kidney, Ureter, Bladder: Changes in liver weight. Endocrine: Changes in thymus weight. Immunological Including Allergic: Decreased immune response. - "Sbornik Vysledku Toxilogickeho Vysetreni Latek A Pripravku," , Institut Pro Vychovu Vedoucicn P, Marhold, J.V., Institut Pro Vychovu Vedoucicn, Pracovniku Chemickeho, Prumyclu Praha Czechoslovakia, Vol/p/yr: -,24, 1972

Standard Draize Test, Eyes, Species: Rabbit, 500.0 MG, 24 H, Mild. Result: Kidney, Ureter, Bladder: Changes in liver weight. Kidney, Ureter, Bladder: Changes in bladder weight. Nutritional and Gross Metabolic:Weight loss or decreased weight gain. - "Sbornik Vysledku Toxilogickeho Vysetreni Latek A Pripravku," , Institut Pro Vychovu Vedoucicn P, Marhold, J.V., Institut Pro Vychovu Vedoucicn, Pracovniku Chemickeho, Prumyclu Praha Czechoslovakia, Vol/p/yr: -,24, 1972

12. Ecological Information

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 Proper Shipping Name: Paint Related Material, Exempt Combustible Liquid per 49 CFR 173.150(f)

DOT Hazard Flammable Class 3

DOT Packing Group III

DOT UN1139 Coating Solution

IATA Hazard Class 3

IATA Packing Group III

IATA UN1139 Coating Solution

Additional Information: The supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

| CAS # Hazardous Components | S. 302 (EHS) | S. 304 RQ | S. 313 (TRI) |
|-----------------------------------|---------------------|------------------|---------------------|
|-----------------------------------|---------------------|------------------|---------------------|

8052-41-3 Stoddard solvent

{Mineral spirits; Aliphatic Petroleum
Distillates; White spirits}

No

No

No

25551-13-7 Benzene, Trimethyl-

No

No

No

**This material meets the EPA
'Hazard Categories' defined for
SARA Title III Sections 311/312
as indicated:**

Yes No Acute (immediate) Health Hazard

Yes No Chronic (delayed) Health Hazard

Yes No Fire Hazard

Yes No Sudden Release of Pressure Hazard

Yes No Reactive Hazard

CAS # Hazardous Components (Chemical Name) Other US EPA or State Lists

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8052-41-3 Stoddard solvent
{Mineral spirits; Aliphatic Petroleum
Distillates; White spirits}

25551-13-7 Benzene, Trimethyl-

REGULATORY INFORMATION: This product is regulated by the United States Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS). The product label also includes other important information, including directions for use, and should always be read in its entirety prior to using the product.

16. Other Information

References:

Other Considerations:

Created: 1/12/2018

Disclaimer:

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.