



DATA SHEET

WSM9 CC HIGH TRAFFIC POLYURETHANE TOPCOAT

WSM9 CC High Traffic is a two-part, water-borne, VOC-compliant, linear polyester polyurethane enamel. It will provide appearance and performance equal to its solvent-borne counterparts. WSM9 topcoat comes in clear gloss and clear satin. WSM9 is extremely weatherable and abrasion-resistant and will retain its appearance for long periods in a variety of environments. For use over WS Primer, Weatherskin Epoxies, Weatherskin membranes or properly prepared surfaces.

PHYSICAL PROPERTIES

<i>Finish</i>	High Gloss (Clear) Semi-gloss (Colors)
<i>Recommended Spread Rate</i>	350 - 400ft²/gallon
<i>Colors</i>	12 standard colors (color cards available on request)
<i>Weight Solids</i>	
<i>Colors:</i>	37%
<i>Clear:</i>	32%
<i>VOC:</i>	105 - 125 grams/liter (depending on color)
<i>Application Temperature</i>	55- 90°F
<i>Mixing Ratio</i>	2oz. crosslinker per gallon of paint base (~8 drops/ fl. oz. for small batches)
<i>Thinning</i>	Deionized or distilled water. Thin as needed up to 25%.
<i>Pot Life</i>	8 hours @ 70°F
<i>Recoat Time</i>	2 hours minimum - 24 hours maximum (sanding is required after that)
<i>Drying Time</i>	(5 mils wet @ 70°F, 50% RH): 60 minutes
<i>Optimum Dry Film Thickness</i>	2.5 - 3 mils
<i>Shelf Life</i>	12 months @ 70°F in original container

Cleanup

Clean water for uncured paint. If paint has dried, paint stripper will be needed to remove it.

Surface Preparation

WOOD, STEEL, OR COMPOSITE: Prime with Weatherskin products or by request WS Primer according to product instruction. Sand primed surfaces with 150 to 220-grit wet-or-dry sandpaper, and wipe with water or denatured alcohol. Do not use tack rags which can leave a waxy residue. Surface must be clean, dry, and free of dust, oil, grease or other contaminants prior to application.

WSM9 CC High Traffic may be applied directly over Weatherskin laminating or coating resins. Sand surfaces with 80, then 120, then 150 to 220-grit wet-or-dry sandpaper, and wipe with water or denatured alcohol. Allow resin to cure at least 7 days at 70°F or above. Sand surface to a uniform dull finish with 120 then 150 or 220-grit wet-or-dry sandpaper.

Notes

The Application Guide contains more detailed instructions. Refer to the product MSDS for complete safety and handling instructions. Dilute crosslinker with thinning water prior to addition to paint base. Not meant for use below the waterline on constantly-immersed boats. WSM9 will dry without the crosslinker added, but will not have desirable chemical resistance and weatherability without it.

Warranty Disclaimer

We guarantee our Products adhere to the specifications of Weatherskin Coatings, Weatherskin Coatings makes no warranty or guarantee, expressed or implied, including warranties of fitness for a particular purpose or merchantability, respecting its Products, Liability, if any, is limited to refund or purchase price or replacement of the Product. All consequential damages, labor and cost of labor are hereby excluded.



WSM9 CC HIGH TRAFFIC POLYURETHANE TOPCOAT

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product Name	WSM9 CC High Traffic Topcoat
Hazard Ratings	D2B
MSDS Number	1800 - 1820
Date of Prep	May 29, 2018
Product Type	Polyurethane Dispersion

Emergency Phone	Prepared by: B. Carbol CHEMTREC: 1 - 800 - 424 - 9300
Information Phone	403 - 656 - 9244 Health 1 Fire 1 Reactivity 0



2. HAZARDOUS INGREDIENTS

INGREDIENT	n-Methyl Pyrrolidone
WT%	1-5
CAS NO	872-50-4
OSHA-PEL	none established
ACGIH-TLV	none established

INGREDIENT	Propylene Glycol
WT%	1-5
CAS NO	57-55-6 10mg/m
OSHA-PEL	3
ACGIH-TLV	none established

3. PHYSICAL PROPERTIES

Boiling Range	190 - 212 °F
Vapor Density	Heavier than Air
Specific Gravity	1.1 - 1.3
Material V.O.C.	105 - 120 g/l
Evaporation Rate	Slower than Ether
Water Miscibility	Complete
Appearance and Odor	Thin liquid, clear or colored, with mild, characteristic odor



4 FIRE AND EXPLOSION HAZARD DATA

Flash Point	N/A (water solution)
Method	N/A
Flammable Limits in Air by Volume	Lower: N/A Upper: N/A
Extinguishing Media	Foam, Carbon Dioxide, Dry Chemical, Water Fog
Special Firefighting Procedures	When fighting chemical fires wear full protective equipment with self-contained breathing apparatus. Water spray may be used to cool fire exposed containers. Toxic fumes may be evolved when this substance is burned.

5 HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

Eye Contact	May cause severe irritation.
Inhalation	May cause irritation to nose, throat, or lungs.
Ingestion	May cause gastrointestinal irritation.
Skin Contact	May cause irritation.
Chronic	Prolonged and repeated exposure to m-methyl may cause skin irritation.
Carcinogenicity	This product and its components are not listed as carcinogens by OSHA, NTP, or IARC.



EMERGENCY AND FIRST AID PROCEDURES

Eye Contact	Flush thoroughly with water for at least 15 minutes. If irritation persists, get medical attention.
Inhalation	Remove to fresh air. Administer oxygen if necessary. Get medical attention if breathing is difficult or cough develops.
Ingestion	DO NOT INDUCE VOMITING. Give one or two glasses of water or milk to drink. If irritation persists, get medical attention.
Skin Contact	Remove contaminated clothing and flood area with water. Wash affected area with soap and water. Wash clothing before reuse. Discard shoes. Get medical attention if redness, soreness, or blistering occur or persist.
WR-LPU (cont.)	Medical conditions generally aggravated by exposure: none known.

6 REACTIVITY DATA

Stability	Stable
Conditions to Avoid	None known.
Incompatibility (Materials to avoid)	Strong oxidizing agents, mineral acids.
Hazardous Decomposition Products	Oxides of carbon, nitrogen.
Hazardous Polymerization	Will not occur.

7 SPILL OR LEAK PROCEDURES

Steps to be taken if material is spilled or released:

Avoid contact with material. Persons not wearing appropriate protective equipment should leave the area of the spill until cleanup is complete. Stop spill at source, dike area to prevent spreading, pump liquid to salvage tank or drum. Remaining liquid may be taken up on clay, diatomaceous earth, sawdust, or other absorbent, and shoveled into disposal containers.

Waste Disposal Method: Waste is not hazardous by RCRA criteria (40 CFR 261). Place in an appropriate disposal facility in compliance with local regulations.



8 SPECIAL PROTECTION INFORMATION

Respiratory Protection	NIOSH approved respirator is required when spraying this material. For emergencies, a self contained breathing apparatus or full-faced respirator is recommended.
Ventilation	Provide adequate ventilation in work areas. Confine material in sealed containers when not in use.
Hand Protection	Always wear impervious gloves, neoprene, vinyl, or rubber.
Eye Protection	Remove contaminated clothing and flood area with water. Wash affected area with soap and water. Wash clothing before reuse. Discard shoes. Get medical attention if redness, soreness, or blistering occur or persist.
Other Protective Equipment	Wear clean, body-covering clothing to avoid skin contact.

9 TRANSPORTATION REQUIREMENTS

Department of Transportation Classification	Not regulated.
Other Requirements	All raw materials in this product are listed on TSCA and DSL.
SARA Title III Section 313:	This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372: CAS NO.: 872-50-4 CHEMICAL NAME: n-Methyl Pyrrolidone: WEIGHT %: 1-5:

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WSM9 CC HIGH TRAFFIC CROSSLINKER

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product Name	WSM9 CC High Traffic Crosslinker
Hazard Ratings	D2B
MSDS Number	1800B
Date of Prep	May 29, 2018
Product Type	Polyaziridine Solution

Emergency Phone	Prepared by: B. Carbol CHEMTREC: 1 - 800 - 424 - 9300
Information Phone	403 - 656 - 9244 Health 2 Fire 1 Reactivity 0



2. HAZARDOUS INGREDIENTS

COMPONENT	Pentaerythritol-tris-(B-(Aziridiny) propionate)
AMOUNT	60 - 70%
CAS NO	57116-45-7
OSHA-PEL	none established
ACGIH-TLV	none established

COMPONENT	Diethylene glycol mono-ethyl ether acetate
AMOUNT	30 - 40%
CAS NO	112-15-2
OSHA-PEL	none established
ACGIH-TLV	none established

3. PHYSICAL PROPERTIES

Boiling Range	400 °F
Vapor Density	Heavier than Air
Specific Gravity	1.12
V.O.C.	370 g/l
Evaporation Rate	Slower than Ether
Water Miscibility	Complete
Appearance and Odor	Thin, amber liquid, with characteristic odor.



4 FIRE AND EXPLOSION HAZARD DATA

Flash Point	> 235°F
Method	Cleveland Closed Cup
Flammable Limits in Air by Volume	Lower: 1.0% Upper: 19.0%
Extinguishing Media	Foam, Carbon Dioxide, Dry Chemical, Water Fog
Special Firefighting Procedures	When fighting chemical fires wear full protective equipment with self-contained breathing apparatus. Water spray may be used to cool fire exposed containers. Toxic fumes may be evolved when this substance is burned.

5 HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

Acute	May cause irritation to skin and severe irritation to eyes. Slightly toxic by ingestion.
Chronic	May cause gastrointestinal irritation.
Carcinogenicity	Positive results were obtained in a battery of short term, in-vitro genotoxicity assays (Ames, CHO/HGPRT, cell transformation) for the aziridine ingredient.



EMERGENCY AND FIRST AID PROCEDURES

Skin	Remove contaminated clothing and shoes and wipe excess off skin. Flush skin with water. Follow by washing in soap and water. If irritation occurs, seek medical attention. Do not reuse clothing until cleaned. Contaminated leather articles (shoes) can not be decontaminated and should be destroyed.
Eyes	Flush eyes with plenty of water for at least 15 minutes. Seek immediate medical attention.
Inhalation	Remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.
Ingestion	Induce vomiting. Get immediate medical attention.

Medical Conditions Generally Aggravated by Exposure: This material may be a skin sensitizer in certain susceptible persons. Sensitized persons are not known to have other health problems as a result of sensitization.

6 REACTIVITY DATA

Stability	Stable, however the acetate portion has formed explosive peroxides when evaporation occurs under conditions of high heat (200°F).
Hazardous Polymerization	May occur in the presence of mineral acids releasing heat.
Incompatibility	Strong oxidizing agents, mineral acids.
Hazardous Decomposition Products	Oxides of carbon, nitrogen.
Conditions to Avoid	Acids and oxidizing agents, heat.

7 PRECAUTIONS FOR SAFE HANDLING AND USE

If Material is Spilled: Ventilate area. Avoid contact with material. Persons not wearing appropriate protective equipment should leave the area of the spill until cleanup is complete. Stop spill at source, dike area to prevent spreading, pump liquid to salvage tank or drum. Remaining liquid may be taken up on clay, diatomaceous earth, sawdust, or other absorbent, and shoveled into disposal containers.

Waste Disposal Method: Waste is not hazardous by RCRA criteria (40 CFR 261). Place in an appropriate disposal facility in compliance with local regulations.



8 SPECIAL PROTECTION INFORMATION

Respiratory Protection	Normally none is required when adequate ventilation is provided. In the absence of proper environmental control NIOSH approved respiratory is required. For emergencies, a self contained breathing apparatus or full-faced respirator is recommended.
Ventilation	Provide adequate ventilation in work areas. Confine material in sealed containers when not in use.
Hand Protection	Always wear impervious gloves, neoprene, vinyl, or rubber.
Eye Protection	Remove contaminated clothing and flood area with water. Wash affected area with soap and water. Wash clothing before reuse. Discard shoes. Get medical attention if redness, soreness, or blistering occur or persist.
Other Protective Equipment	Wear clean, body-covering clothing to avoid skin contact.

9 TRANSPORTATION REQUIREMENTS

Department of Transportation Classification	Not hazardous.
D.O.T. Proper Shipping Name	Not regulated.
Other Requirements	All raw materials in this product are listed on TSCA and DSL.

This product contains no toxic chemicals subject to the report requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

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