

MSDS - Material Safety Data Sheet

Product Name: HYDROSEAL® II

HEALTH: 2
 FLAMMABILITY: 2
 REACTIVITY: 0



MSDS No.: HS5K

I. Basic Information:

Manufacturer: RADIATOR SPECIALTY COMPANY
Address: 600 RADIATOR ROAD
City, ST Zip: INDIAN TRAIL, NC 28079
Emergency Contact: Rocky Mountain Poison Control Center
Emergency Telephone Number: 303-623-5716
Contact: Robert Geer
Information Telephone Number: 704-688-3430



Last Update: 08/29/2005

Chemical State: Liquid Gas Solid
Chemical Type: Pure Mixture

2	Health
2	Flammability
0	Reactivity
H	Pers. Protection

II. Ingredients:

Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB	Z	313				
95636	1,2,4-Trimethylbenzene	1.0 - 5.0					X	N/E	25 ppm		
111762	2-Butoxyethanol	10.0 - 30.0					X	25 ppm	25 ppm		
91203	Naphthalene	1.0 - 5.0					X	10 ppm	10 ppm	10 ppm	
872504	N-Methyl-2-pyrrolidone	1.0 - 5.0					X	N/E	N/E		
64742467	Petroleum Distillate, Hydrotreated Middle	15.0 - 40.0						5 mg/m3 (m	5 mg/m3 (m		
64742945	Petroleum naphtha	10.0 - 30.0					X	N/E	N/E	100 ppm	
61790123	Tall Oil Fatty Acid	5.0 - 10.0						N/E	10 mg/m3		
102716	Triethanolamine	1.0 - 5.0						N/E	5 mg/m3		

III. Hazardous Identification:

Hazard Category:

Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

DANGER: Harmful or fatal if swallowed. Eye and Skin Irritant.

IV. First Aid Measures:

Route(s) of Entry:

Absorption, Eye, Inhalation, and ingestion.

Health Hazards (Acute and Chronic):

See signs and symptoms below

Signs and Symptoms:

Eye Contact: Irritant. Prolonged contact may cause conjunctivitis.
 Skin Contact: Irritant. Defatting of tissue, dermatitis may occur.
 Inhalation: Irritant to mucous membranes. Repeated exposure may cause narcosis..
 Ingestion: HARMFUL OR FATAL IF SWALLOWED. May cause burns to mouth, throat & stomach.

Medical Conditions Generally Aggravated by Exposure:

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None known

Emergency and First Aid Procedures:

Eye Contact: Flush eyes with clean water for 15 minutes while lifting eyelids. Get prompt medical attention.

Skin Contact: Wash with soap and water thoroughly. If adverse effects persist, get prompt medical attention. Launder contaminated clothing before reuse.

Inhalation: Remove to fresh air. If breathing becomes difficult give oxygen and get prompt medical attention.

Ingestion: DO NOT INDUCE VOMITING! Call Poison Control Center, physician, or hospital emergency room immediately.

Other Health Warnings:

Vomiting and subsequent aspiration into the lungs may lead to chemical pneumonia and pulmonary edema which is a potentially fatal condition.

V. Fire Fighting Measures:

Flash Point: 160 F

Lower Explosive Limit: N/E

Upper Explosive Limit: N/E

F.P. Method: TCC

Fire Extinguishing Media: Water Fog, Foam, Carbon Dioxide, Dry Chemical

Special Fire Fighting Procedures:

Wear self-contained positive pressure breathing apparatus and protective clothes. Cool containers with a water fog. Do not use forced water stream as this could cause the fire to spread. Use shield to protect from rupturing and venting containers.

Unusual Fire and Explosion:

None Known

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc). Using a non-metallic scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled liquid using an explosion proof vacuum to recover material. Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred.

VII. Handling and Storage:

Precautions to be Taken:

Handling: Use with adequate ventilation and proper protective equipment.

Do not use near fire, sparks, or flame. Do not puncture or incinerate container.

Store in cool, well ventilated area below 120°F away from heat sources. Avoid contact with alkalis and strong oxidizing agents.

Keep containers tightly closed.

Other Precautions:

Avoid contact with eyes and skin. Avoid prolonged or repeated breathing of vapors. If exposure may or does exceed occupational exposure limits, use a NIOSH approved respirator to prevent over-exposure.

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

See Section 2 for applicable exposure limits. Use with adequate ventilation. If TLV is exceeded, wear NIOSH approved respirator.

Personal Protective Equipment:

Protective Gloves: Neoprene coated cotton gloves or Nitrile rubber chemical gloves.

Eye Protection: Safety glasses. For bulk use chemical splash goggles.

Other Protective Clothing: Impervious clothing and rubber boots. Long sleeves, long pants, rubber apron.

Other Protective Equipment: Emergency Eye Wash Fountain.

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Boiling Point: 280 F

Melting Point: N/A

Evaporation Rate (Butyl Acetate = 1): 0.1

Vapor Pressure (mm Hg.): see below

Specific Gravity (H₂O = 1): 0.91700

Vapor Density (AIR = 1): N/E

Solubility In Water: Soluble

Appearance and Odor: Clear, dark red brown liquid, strong aromatic odor

Other Information: pH: 8.0

VOC Content: <45%

Vapor Pressure: < 1.0 mm Hg @ 20°C

X. Stability and Reactivity:**Stability:**

Stable

Incompatibility (Materials to Avoid):

Avoid alkalis and strong oxidizing agents.

Decomposition/By Products:

Burning may produce carbon monoxide and/or carbon dioxide and various hydrocarbons.

Hazardous Polymerization:

Will not occur

XI. Toxicological Information:

No data available.

XII. Ecological Information:

No data available

XIII. Disposal Considerations:

DISPOSAL: This container may be recycled in a recycling centers when empty. Before offering for recycling, empty the can or bottle by using the product according to the label. If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with all local, state government and federal laws and regulations

XIV. Transport Information:

DOT Shipping Name: Not DOT regulated.

DOT Hazard Class: None

The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for all shipping purposes.

XV. Regulatory Information:

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See Section 2 for SARA Reportable Chemicals.

USA TSCA: All components of this material are listed on the US TSCA Inventory.

Pennsylvania RTK Label information

2-Pyrrolidinone, 1-Methyl- (CAS# 872-50-4)

1,2,4 Trimethyl benzene (CAS# 95-83-6)

Naphthalene (CAS# 91-20-3)

New Jersey RTK Label information

1,2,4 Trimethyl benzene (CAS# 95 83 6)

Naphthalene (CAS# 91-20-3)

Warning: This product contains a chemical(s) known to the State of California to cause cancer, birth defects, and other reproductive harm.

XVI. Other Information:

Do not used in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye.
KEEP AWAY FROM CHILDREN AND ANIMALS!

N/E: Not Established

N/D: Not Determined

N/A: Not Applicable

N/AV: Not Available

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