MSDS - Material Safety Data Sheet

Product Name: PUNCTURE SEAL INSTANT TIRE REPAIR (UPC: 078698131566)

9574.

MSDS No.: M1118

I. Basic Information:

Manufacturer: RADIATOR SPECIALTY COMPANY
Address: 600 RADIATOR ROAD
City, ST Zip: INDIAN TRAIL, NC 28079
Country:

Contact: Robert Geer
Information Telephone Number: 704-684--181 1
Emergency Contact: Rocky Mountain Poison and Drug Center
Emergency Telephone Number: 303-623-5716
Emergency Restrictions:

Product Name: PUNCTURE SEAL INSTANT TIRE REPAIR (UPC: 078698131566)
MSDS No.: M1118

Issue Date: 06/01/2010
Supersedes Date: 03/18/2010

II. Hazards Identification:

EMERGENCY OVERVIEW

Caution: Eye and Skin Irritant, Contents Under Pressure.

Level 1 Aerosol

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Route(s) of Entry:

Absorption, Inhalation, and Ingestion.

Health Hazards (Acute and Chronic):

See signs and symptoms below

Signs and Symptoms:

Eye Contact: Direct spray of vapors may be irritating or harmful to eyes.
Skin Contact: Product may cause irritation due to defatting of skin.
Inhalation: High concentration of vapors may irritate nose and throat and cause headaches and nausea
Ingestion: Can cause irritation, gastric disturbances, nausea.

Medical Conditions Generally Aggravated by Exposure:

None known

Other Health Warnings:

None known

Potential Environmental Effects

Not Available

III. Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	Trade Secret
1,1,1,2, Tetrafluoroethane	811-97-2	10.0 - 30.0	
2-Butoxyethanol	111-76-2	10.0 - 30.0	
Ammonium hydroxide	1336-21-6	0.1 - 1.0	
Ethylene glycol	107-21-1	1.0 - 5.0	
Polyvinylacetate Latex	9003-20-7	3.0 - 7.0	

MSDS - Material Safety Data Sheet

Product Name: PUNCTURE SEAL INSTANT TIRE REPAIR (UPC: 078698131566)

MSDS No.: M1118

IV. First Aid Measures:

Emergency and First Aid Procedures:

Eye Contact: Flush eyes with water for 15 minutes while lifting upper and lower eyelid. Get prompt medical attention.
Skin Contact: Wash with soap and water. If irritation persists, get prompt medical attention.
Inhalation: Move to fresh air. If breathing becomes difficult get prompt medical attention.
Ingestion: Drink water or milk. Call Poison Control Center, physician, or hospital emergency room immediately.

Note to Physicians:

N/A

V. Fire Fighting Measures:

Suitable Extinguishing Media:

Water Fog, Foam, Carbon Dioxide, Dry Chemical

Unsuitable Extinguishing Media:

N/D

Products of Combustion:

Combustion products from fire: products of carbon Oxides, Nitrogen Oxides, Halogen acids.

Protection of Firefighters:

Wear self-contained positive pressure breathing apparatus and protective clothes. Use shield to protect from rupturing and venting containers. At elevated temperatures containers may vent, rupture or burst, even violently

VI. Accidental Release Measures:

Personal Precautions:

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental Precautions:

Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occured.

Methods for Containment:

Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc).

Methods for Cleanup:

Neutralize remaining traces of material and flush with water followed by liberal covering with sodium bicarbonate. All clean-up material should be removed and placed in approved containers for disposal. Rinse water may be disposed of down a sanitary sewer system if authorized by the local municipality.

Other Information:

Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from area of spill until clean up has been completed. 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:

Handling Precautions:

Handling: Use with adequate ventilation and proper protective equipment.
Do not use or store near fire, sparks, or flame. Do not puncture or incinerate container. Exposure to temperatures above 120° may cause container to vent, rupture, or burst.

Storage Precautions:

Store in cool, dry, well-ventilated area away from acids and oxidizing agents. Do not store above temperature of 120°F.

VIII. Exposure Controls/Personal Protection:

MSDS - Material Safety Data Sheet
Product Name: PUNCTURE SEAL INSTANT TIRE REPAIR (UPC: 078698131566)
MSDS No.: M1118

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Ethylene glycol	50 ppm	100 mg/m3	Not Available
2-Butoxyethanol	25 ppm	25 ppm	Not Available
Ammonium hydroxide	50 ppm (TWA)	25 ppm	Not Available
1,1,1,2, Tetrafluoroethane	N/E	N/E	1000 ppm (TWA)
Polyvinylacetate Latex	Not Available	Not Available	Not Available

Engineering Controls:

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

Personal Protective Equipment:

Use with adequate ventilation. For prolonged exposure wear protective safety glasses, gloves, and apron.

IX. Physical and Chemical Properties:

Boiling Point: 212 F
Boiling Range: N/D
Solubility in Water: Soluble
Flash Point: None
Odor Threshold: N/D
Vapor Density (AIR = 1): >1
pH Range: 10.2 - 11.6
Decomposition Temp: N/A
Lower Explosive Limit: N/A
Specific Gravity (H20 = 1): 1.00
Other Information: VOC Content: 15.64%

Melting Point: N/A
Freezing Point: 31°F
Evaporation Rate (Butyl Acetate = 1): 0.2
Flash Point Method: TCC
Appearance and Odor: White milky liquid with slight ammonia odor
Vapor Pressure (mm Hg.): N/D
Partition Coefficient: N/D
Auto-Ignition Temp: N/A
Upper Explosive Limit: N/A

X. Stability and Reactivity:

Stability:

Stable

Conditions to Avoid:

See incompatilbe materials

Incompatible Materials:

Strong acids and oxidizers

Hazardous Decomposition Products:

Combustion products from fire: products of carbon Oxides, Nitrogen Oxides, Halogen acids.

Possibility of Hazardous Reactions:

Will not occur

XI. Toxicological Information:

N/D

MSDS - Material Safety Data Sheet

Product Name: PUNCTURE SEAL INSTANT TIRE REPAIR (UPC: 078698131566)

MSDS No.: M1118

XII. Ecological Information:

N/D

XIII. Disposal Considerations:

DISPOSAL; This container may be recycled in aerosol recycling centers when empty. Before offering for recycling, empty the can by using the product according to the label. DO NOT PUNCTURE! 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:

Shipping Name: Not Available

DOT Hazard Class: Not Available

DOT Subsidiary Hazard Class: Not Available

UN/NA#: Not Available

Packing Group: Not Available

Transportation Information:

DOT Hazard Class: ORM-D
Shipping Name: Consumer Commodity

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

ICAO/IATA (US)
Shipping Name: Aerosols
Class: 2.2
UN number: UN1950

International:
ICAO/IATA
UN number: UN1950
Shipping Name: Aerosols
Class: 2.2

IMDG
UN number: UN1950
Shipping Name: Aerosols
Class: 2.2
EmS: F-D, S-U

XV. Regulatory Information:

SARA 313 Reportable Chemicals.
Ethylene Glycol - 107-21-1
2-Butoxyethanol - 111-76-2
Ammonium Hydroxide - 1336-21-6

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

State RTK Chemicals:
Ethylene Glycol - 107-21-1
2-Butoxyethanol - 111-76-2
Ammonium Hydroxide - 1336-21-6

MSDS - Material Safety Data Sheet

Product Name: PUNCTURE SEAL INSTANT TIRE REPAIR (UPC: 078698131566)

MSDS No.: M1118

XVI. Other Information:

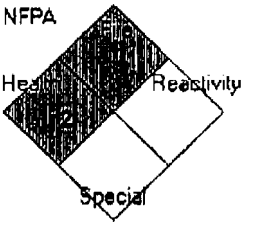
Chemical State: [X] Liquid [ ] Gas [ ] Solid

Chemical Type: [ ] Pure [X] Mixture

Hazard Category:

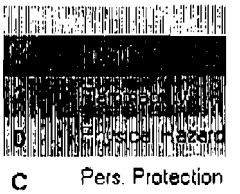
[X] Acute [ ] Chronic [ ] Fire

[X] Pressure [ ] Reactive



Additional Manufacturer Warnings:

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

Additional Product Information:

While Radiator Specialty Company believes this data is accurate as of the revision date, we make no warranty with respect to the data and we expressly disclaim all liability for reliance thereon. The data is offered solely for information, investigation, and verification. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this MSDS. The user is responsible for full compliance.