

Permatex, Inc.
10 Columbus Blvd.
Hartford, CT 06106 USA
Telephone: 1-87-Permatex
(877) 376-2839
Emergency: 800-255-3924
International Emergency: +01-813-248-0585

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: RS-9 BLACK RUBBER SEALANT 1.5FLOZ TB
Item No: 80338
Product Type: Adhesive

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
METHYL ETHYL KETONE (BUTANONE) 78-93-3	20-40	200 ppm	200 ppm; 590 mg/m ³
HEPTANE 142-82-5	20-40	400 ppm	500 ppm; 2000 mg/m ³
CYCLOHEXANE 110-82-7	<4	100 ppm	300 ppm; 1050 mg/m ³

3. HAZARDS IDENTIFICATION

Toxicity: May cause eye, skin and respiratory irritation. Short term inhalation toxicity is low. Breathing small amounts during normal handling is not likely to cause harmful effects; breathing large amounts may be harmful. Single dose toxicity is low. Swallowing small amounts is not likely to cause harmful effects; swallowing large amounts may be harmful. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as "solvent" or "painter's syndrome"). Symptoms include fatigue, concentration difficulties, anxiety, depression, rapid mood swings, and short-term memory loss. This material (or a component) shortens the time of onset or worsens the liver and kidney damage induced by other chemicals. Prolonged and repeated exposure to methyl ethyl ketone and/or n-hexane may cause peripheral neuropathy by damaging peripheral nerve tissue (that of arms and legs) and result in muscular weakness and loss of sensation.

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation

Signs and Symptoms of Exposure: Eyes: Exposure to liquid or vapor causes mild eye irritation. Symptoms may include burning, tearing, redness, stinging, blurred vision and corneal injury. Skin: Exposure may cause mild skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying, cracking and skin burns. Preexisting skin disorders may be aggravated by exposure. Skin absorption is possible, but harmful effects are not expected from this route under normal conditions of handling and use. Breathing: Symptoms are typically seen at air concentrations exceeding the recommended exposure limits. Symptoms may include nasal and respiratory irritation, central nervous system (CNS) depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, possible unconsciousness, coma and even death). Swallowing: This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage. Aspiration into the lungs can cause chemical pneumonia which can be fatal.

Medical Conditions Recognized as Being Aggravated by Exposure: Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected.

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.

Skin Contact: Wash off with soap and water. If skin irritation persists, call a physician.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point °F(C°): 25°F (-4°C) TCC
Recommended Extinguishing Media: Carbon dioxide, Dry chemical, Foam

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5. FIRE FIGHTING MEASURES

Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus. Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.

Hazardous Products of Combustion: Oxides of carbon, Oxides of nitrogen, Hydrogen chloride

Unusual Fire/Explosion Hazards: Closed containers may rupture or explode when exposed to extreme heat. Keep containers cool.

Lower Explosive Limit: 1.1%

Upper Explosive Limit: 11.5%

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Prevent from entering waterways or sewers.

7. HANDLING AND STORAGE

Storage: Store away from heat, sparks or open flame. Do not store at temperatures above 100°F (38°C).

Handling: Avoid contact with skin and eyes. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Do not use near heat, sparks or open flame. Keep container closed when not in use. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.

Skin: Neoprene or nitrile gloves recommended.

Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.

Respiratory Protection: An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black liquid

Odor: Solvent

Boiling Point: 174°F (79°C)

pH: Does not apply

Solubility in Water: Nil

Specific Gravity: 0.97

VOC(Wt.%): 57.6%

Vapor Pressure: 79 mm Hg

Vapor Density (Air=1): >1

Evaporation Rate: >1 (butyl acetate = 1)

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions

Hazardous Polymerization: Will not occur.

Incompatibilities: Avoid contact with bases and strong oxidizers, Acids

Conditions to Avoid: Keep away from heat, sparks and open flame. - No smoking.

Hazardous Products of Combustion: Oxides of carbon, Oxides of nitrogen, Hydrogen chloride

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.

US EPA Waste Number: D001/D035 as per 40CFR 261.21 and a TCLP waste per 261.24 (methyl ethyl ketone and benzene)

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14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Ground Transport (DOT)

DOT Shipping Name: Consumer Commodity
Hazard Class: ORM-D
UN/ID Number: None

IATA

Proper Shipping Name: Consumer Commodity (Not more than 500 ml)
Class or Division: Class 9
UN/ID Number: ID 8000

IMDG

Proper Shipping: Adhesives containing flammable liquid, Limited Quantity
Hazard Class: Class 3, PG II
UN Number: UN 1133

Marine Pollutant: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

CYCLOHEXANE

California Proposition 65: No California Prop 65 chemicals are known to be present.

TSCA Inventory Status: All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 3, REACTIVITY 0.

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 3, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared By: Denise Boyd, Manager-Environmental, Health & Safety
Company: Permatex, Inc. 10 Columbus Blvd. Hartford, CT USA 06106

Revision Date: April 24, 2009

Revision Number: 3

Telephone No.: 1-87-Permatex (877) 376-2839