

Supplier:
Permatex, Inc.
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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: VR-1A VINYL & LEATHER REPAIR KIT
Item No: 80902
Product Type: Sealant

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
ACETONE 67-64-1	40-50	500 ppm TWA; 1188 mg/m ³ TWA	1000 ppm TWA; 2400 mg/m ³ TWA
TETRAHYDROFURAN 109-99-9	20-30	200 ppm TWA; 590 mg/m ³ TWA	200 ppm TWA; 590 mg/m ³ TWA
VINYL COPOLYMER 9003-22-9	15-25		
DI (2-ETHYLHEXYL) PHTHALATE 117-81-7	1-10	5 mg/m ³ TWA	5 mg/m ³ TWA
SILICON DIOXIDE, AMORPHOUS 112945-52-5	1-10	10 mg/m ³ TWA	6 mg/m ³ TWA

3. HAZARDS IDENTIFICATION

Toxicity: This material is irritating to skin, eyes and mucous membranes.
Primary Routes of Entry: Eye and skin contact, ingestion, inhalation.
Signs and Symptoms of Exposure: 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. Excessive overexposure may cause giddiness, dizziness, headache, nausea and in extreme cases, unconsciousness and respiratory depression. Inhaling may cause mild irritation to the nose, throat and respiratory tract and may result in central nervous system (CNS) depression.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
ACETONE 67-64-1	40-50		A4 - Not Classifiable as a Human Carcinogen	
TETRAHYDROFURAN 109-99-9	20-30	male rat-some evidence; female rat-no evidence; male mice-no evidence; female mice-clear evidence		
DI (2-ETHYLHEXYL) PHTHALATE 117-81-7	1-10	Group 2; Reasonably anticipated	Group A3; Confirmed animal	Group 2B; Vol. 29, Pg 269; 1982: Vol. 77, Pg 41; 2000
SILICON DIOXIDE, AMORPHOUS 112945-52-5	1-10			Amorphous Silica, Group 3: Vol. 68: 1997

Medical Conditions Recognized as Being Aggravated by Exposure: Preexisting pulmonary and dermatological disorders

4. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

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Skin Contact: Remove contaminated clothing. Wash area with soap and water. If irritation persists, seek medical attention.
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): 0 degrees F. Method: Tag Closed Cup
Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
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 Formed by Fire or Thermal Decomposition: Hydrogen chloride. Irritating vapors. Oxides of carbon. Oxides of phosphorus.
Unusual Fire/Explosion Hazards: Vapors may travel from container toward sources of ignition and flashback.
Lower Explosive Limit: Acetone: 2.6; tetrahydrofuran: 2
Upper Explosive Limit: Acetone: 12.8; tetrahydrofuran: 11.8

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.

7. HANDLING AND STORAGE

Storage: Store away from heat, sparks or open flame. Do not store at temperatures above 120 degrees F.
Handling: Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Avoid contact with skin and eyes. Do not use near heat, sparks or open flame. Keep container closed when not in use. Use only in a well ventilated area. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
Skin: Rubber or plastic gloves
Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product.
Respiratory Protection: An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid
Odor: Pungent Odor
Boiling Point (°F): 135 degrees F.
pH: Does not apply
Solubility in Water: Slight
Specific Gravity: 0.94
VOC Content(Wt.%): Not determined
Vapor Pressure: Not Determined
Vapor Density (Air=1): Not Determined
Evaporation Rate: Not Determined

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions
Hazardous Polymerization: WILL NOT OCCUR
Incompatibilities: Strong oxidizers, acids, reducing agents, alkaline earth hydroxides, lithium, aluminum hydride
Conditions to Avoid: Do not expose to heat or store at temperatures above 120 F.
Hazardous Products Formed by Fire or Thermal Decomposition: Hydrogen chloride. Irritating vapors. Oxides of carbon. Oxides of phosphorus.

11. TOXICOLOGICAL INFORMATION

See Section 3

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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/F003/U213

14. TRANSPORT INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Consumer Commodity (not more than one liter)
Hazard Class: ORM-D
UN/ID Number: None
Marine Pollutant: None

IATA

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

IMDG

Proper Shipping: Adhesives, Limited Quantity
Hazard Class: Class 3.2
UN Number: UN 1133

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.
DI(2-ETHYLHEXYL) PHTHALATE

CALIFORNIA PROP 65:

WARNING: This product contains a chemical known to the State of California to cause cancer.

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 1
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.

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