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Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: 5J-1 INDIAN HEAD GASKET SHELLAC 2 FL.OZ
Item No: 20539
Product Type: Sealant

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
ROSIN 8050-09-7	>40	3.0 mg/kg	not available	Not listed
ETHANOL 64-17-5	20-40	7060 mg/kg	not available	1000 ppm
VEGETABLE OIL 68187-84-8	<5	not available	not available	5 mg/m ³
2-PROPANOL 67-63-0	<5	4396 mg/kg	72.6 mg/L/4H	200 ppm
METHANOL 67-56-1	<2	5628 mg/kg	82.3 mg/L/4H; 64000 ppm/4H	200 ppm

III. PHYSICAL DATA

Physical State/Appearance: Reddish brown paste
Odour & Odour Threshold: Alcohol odour
Specific Gravity: 1.1
Evaporation Rate: >1.0 (butyl acetate = 1)
Vapour Pressure: 33 mmHg @ 20°C
Vapour Density: 2.07
Freezing Point: Not determined
pH: Does not apply
Octanol/Water Coefficient: Not determined
Boiling Point: 82°C @ 760 mmHg

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Hazardous Combustion Products: Oxides of carbon
Sensitivity to Static Discharge: Sensitivity to static discharge is expected; material has a flash point below 50 degrees C.
Conditions of Flammability: FLAMMABLE: Keep from heat and open flame.
Flash Point/Range: 25°C. Method: TCC
Autoignition Temperature: Not determined
Upper Explosive Limit: 12.7%
Lower Explosive Limit: 2.3%

V. REACTIVITY DATA

Conditions Causing Chemical Instability: Stable
Materials to avoid: Strong oxidizing agents, Strong bases
Conditions of Reactivity: None
Hazardous Decomposition Products: Aliphatic aldehydes, carboxylic acids, oxides of carbon.

VI. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation
Existing Conditions Aggravated by Exposure: Propanol: Skin, eye and respiratory disorders.

Toxicity Information: (See Effects of Acute Exposure to Product)

Effects of Acute Exposure: . Excessive exposure may cause headache, nausea, dizziness and in extreme cases, unconsciousness, respiratory depression. Eye contact: Direct contact causes eye irritation.

VI. HAZARDS IDENTIFICATION

Effects of Chronic Exposure: None known.
Irritancy of Product: See (Effects of Acute Exposure to Product)
Sensitization to Product: (See Effects of Acute Exposure to Product)
Carcinogenicity: (See Effects of Chronic Exposure to Product)
Reproductive Toxicity: (See Effects of Chronic Exposure to Product)
Teratogenicity: (See Effects of Chronic Exposure to Product)
Mutagenicity: (See Effects of Chronic Exposure to Product)
Toxicologically Synergistic Products: None known
WHMIS Hazard Class: B2 FLAMMABLE LIQUIDS, D2B TOXIC MATERIALS

VII. PREVENTATIVE MEASURES

Personal Protection

Eyes: Safety glasses.
Skin: Rubber or plastic gloves.
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. In case of insufficient ventilation, wear an organic vapor respirator.
Engineering Controls: In case of insufficient ventilation, wear an organic vapor respirator.
Spill Procedures: Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Residues may be cleaned up with isopropyl alcohol.
Protection of Man and Environment: Follow Canadian and local regulations for disposal.
Handling Procedures and Equipment: Store away from heat, sparks and open flame. Store at temperatures below 50°C. Use with adequate ventilation. Use good personal hygiene. Avoid smoking, eating or drinking during use.
Special Handling Information: Avoid prolonged breathing of vapor. Keep away from eyes. Avoid prolonged contact with skin. Do not smoke while using. Wash hands after use. Keep away from heat, sparks and open flame. Do not store at temperatures above 40 degrees C. Keep away from children.

VIII. 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. 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.

IX. SHIPPING INFORMATION

Canadian Transportation of Dangerous Goods

Proper Shipping Name: Resin solution (May qualify as a Consumer Commodity or Limited Quantity. Refer to TDG regulations)
Hazard Class: Class 3, Packing Group III
UN/ID No: UN 1866

IATA

Proper Shipping Name: Consumer Commodity (Not more than 1 liter)
Class or Division: Class 9
UN/ID Number: ID 8000

IMDG

Proper Shipping: Resin Solution, Flammable, Limited Quantity
Hazard Class: Class 3, PG III
UN Number: UN 1866

X. PREPARATION INFORMATION

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 3, PHYSICAL HAZARD 0
HMIS is a registered trademark of the National Paint and Coatings Assn.

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 3, REACTIVITY 0
NFPA is a registered trademark of the National Fire Protection Assn.

Prepared By: Denise Boyd, Manager-Environmental, Health & Safety

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Company:
Permatex Canada, Inc. 8450 Lawson Rd. Unit 1, Milton, ON L9T 0A4

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2 FL.OZ

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X. PREPARATION INFORMATION

Revision Number: 6

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