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Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: 00112 O-RING SPLICING KIT
Item No: 741260B
Product Type: Surface treating solution

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
TOLUENE 108-88-3	30-50	636 mg/kg	12.5 mg/L/4H; >26700 ppm/1H	20 ppm
METHYL ETHYL KETONE (BUTANONE) 78-93-3	35-45	2737 mg/kg	32 g/m ³ /4H	200 ppm
CARBON BLACK 1333-86-4	<5	>15400 mg/kg	not available	3.5 mg/m ³
PHENOLIC RESIN 25085-50-1	<5	not available	not available	

III. PHYSICAL DATA

Physical State/Appearance: Black liquid
Odour & Odour Threshold: Ether odour
Specific Gravity: 0.86 @ 20°C
Evaporation Rate: >1.0 (butyl acetate = 1)
Vapour Pressure: <70 mmHg
Vapour Density: >1 (air =1)
Freezing Point: Not determined
pH: Does not apply
Octanol/Water Coefficient: Not determined
Boiling Point: 93°C

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 flashpoint less than or equal to 10 degrees C..
Conditions of Flammability: FLAMMABLE: Keep from heat and open flame. Vapours are heavier than air and may travel or be moved along the ground to an ignition source. Containers may explode if heated. Keep containers cool.
Flash Point/Range: 1°C TCC
Autoignition Temperature: Not determined
Upper Explosive Limit: 9%
Lower Explosive Limit: 2.0%

V. REACTIVITY DATA

Conditions Causing Chemical Instability: Stable
Materials to avoid: Strong oxidizing agents
Conditions of Reactivity: Avoid excessive heat, sparks and open flame
Hazardous Decomposition Products: Carbon oxides

VI. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation
Existing Conditions Aggravated by Exposure: Toluene: Eye, liver, skin, respiratory and central nervous system diseases; alcoholism. Methyl ethyl ketone: Eye, skin and respiratory diseases. Carbon black: respiratory disorders .
Toxicity Information: (See Effects of Acute Exposure to Product)
Effects of Acute Exposure: Causes severe eye irritation. May cause slight to mild irritation to skin. Inhalation causes irritation to the nose and respiratory tract. Ingestion causes irritation to the mouth, throat and stomach.

VI. HAZARDS IDENTIFICATION

Effects of Chronic Exposure: Overexposure to methyl ethyl ketone and n-hexane may cause peripheral nerve damage (that of arms and legs) and result in muscular weakness and loss of sensation. Repeated exposure to Toluene has been associated with high frequency hearing loss based on animal studies. Reports have associated repeated and prolonged overexposure to solvents with permanent brain damage and nervous system damage.

Irritancy of Product: Inhalation: Dizziness, anesthesia, unconsciousness, difficulty in breathing. Irritation of eyes, skin, nose and throat. May cause dermatitis on prolonged contact in sensitive individuals. May cause gastrointestinal irritation, central nervous system depression.

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, D2A VERY TOXIC MATERIALS, D2B TOXIC MATERIALS

VII. PREVENTATIVE MEASURES

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.

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.

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. Keep container closed when not in use. Avoid breathing vapours.

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. Do not use for prolonged periods in confined area without adequate ventilation.

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: Flammable liquids, n.o.s., (Toluene, Methyl Ethyl Ketone) (May qualify as a Consumer Commodity or Limited Quantity. Refer to TDG regulations)

Hazard Class: Class 3; PGII

UN/ID No: UN 1993

IATA

Proper Shipping Name: Consumer Commodity (Not more than 1 liter)

Class or Division: Class 9

UN/ID Number: ID 8000

IMDG

Proper Shipping: Flammable liquids, n.o.s., (Toluene, methyl ethyl ketone)

Hazard Class: Class 3, PG II

UN Number: UN 1993

X. PREPARATION INFORMATION

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

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

Product Name: 00112 O-RING SPLICING KIT

Item No: 741260B

X. PREPARATION INFORMATION

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

Revision Date: January 12, 2010

Company:

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

Revision Number: 4

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