

Permatex Canada, Inc.
8450 Lawson Road, Unit 1
Milton, ON Canada L9T 0A4
Telephone: 1-87-Permatex
(877) 376-2839
Urgence: 800-255-3924

Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: SURFACE PREP 4.5OZ AE
Item No: 24163
Product Type: Activator

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
HEPTANE 142-82-5	>60	5000 mg/kg	103 g/m ³ /4H	400 ppm
PROPANE 74-98-6	5-15	not available	658 mg/L/4H	1000 ppm
ISOBUTANE 75-28-5	5-15	not available	658 mg/L/4H	1000 ppm
ETHANOL 64-17-5	<2	7060 mg/kg	not available	1000 ppm
ORGANO-COPPER COMPOUND 68084-48-0	<1	not available	not available	
ORGANO-COPPER COMPOUND 22221-10-9	<1	not available	not available	
ORGANO-COPPER COMPOUND 85737-14-0	<1	not available	not available	

III. PHYSICAL DATA

Physical State/Appearance: Green liquid/aerosol
Odour & Odour Threshold: Solvent odour
Specific Gravity: 0.79
Evaporation Rate: <1 (butyl acetate = 1)
Vapour Pressure: 71 psig @ 25°C
Vapour Density: >1 (air =1)
Freezing Point: Not determined
pH: Does not apply
Octanol/Water Coefficient: Not determined
Boiling Point: Not determined

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Hazardous Combustion Products: Oxides of carbon, Oxides of phosphorous, Copper
Sensitivity to Static Discharge: Aerosol cans are under pressure and may explode in fire.
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 Contents under pressure Containers may explode if heated Keep containers cool Use equipment or shielding to protect personnel from bursting containers
Flash Point/Range: Extremely flammable per flame projection
Autoignition Temperature: Not determined
Upper Explosive Limit: 9.5%
Lower Explosive Limit: 1.0%

V. REACTIVITY DATA

Conditions Causing Chemical Instability: None
Materials to avoid: Strong oxidizing agents, Strong bases, Acids
Conditions of Reactivity: Avoid excessive heat, sparks and open flame
Hazardous Decomposition Products: CO, CO₂ and various unidentified organic compounds

VI. HAZARDS IDENTIFICATION

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

VI. HAZARDS IDENTIFICATION

Existing Conditions Aggravated by Exposure: Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected

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

Effects of Acute Exposure: Inhalation: High concentration may cause respiratory irritation and central nervous system depression with dizziness, headache, unconsciousness. Inhaling may cause mild irritation to the nose, throat and respiratory tract. May cause eye and skin irritation. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage. Aspiration into the lungs can cause pneumonia which can be fatal.

Effects of Chronic Exposure: May cause liver and kidney damage.

Irritancy of Product: Irritation of eyes, skin, nose and throat. May cause dermatitis on prolonged contact in sensitive individuals.

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: A COMPRESSED GAS, B5 FLAMMABLE AEROSOLS, 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. Wear an organic vapor respirator.

Engineering Controls: Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

Spill Procedures: Follow Canadian and local regulations for disposal.

Protection of Man and Environment: Flammable. Store away from heat, open flame or other sources of ignition. Avoid breathing vapours. Use with adequate ventilation. Use good personal hygiene. Avoid smoking, eating or drinking during use. Contents under pressure. Do not puncture or incinerate container. Do not store sealed containers near extreme heat.

Handling Procedures and Equipment: 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.

Special Handling Information:

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. 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.

IX. SHIPPING INFORMATION

Canadian Transportation of Dangerous Goods

Proper Shipping Name: Aerosols (May qualify as a Consumer Commodity or Limited Quantity. Refer to TDG Regulations)

Hazard Class: Class 2.1

UN/ID No: UN 1950

IATA

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

Class or Division: Class 9

UN/ID Number: ID 8000

IMDG

Proper Shipping: Aerosols, Limited Quantity

Hazard Class: Class 2.1

UN Number: UN 1950

X. PREPARATION INFORMATION

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 4, PHYSICAL HAZARD 0
 HMIS is a registered trademark of the National Paint and Coatings Assn.

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 4, REACTIVITY 0

Product Name: SURFACE PREP 4.5OZ AE

Item No: 24163

X. PREPARATION INFORMATION

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

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

Revision Date: June 17, 2009

Company:

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

Revision Number: 2

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