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Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: PC COPPER SPRAY-A-GASKET
Item No: 80576
Product Type: Aerosol sealant

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
PETROLEUM GASES, LIQUEFIED, SWEETENED 68476-86-8	30-60	not available	not available	
ACETONE 67-64-1	15-40	5800 mg/kg	not available	500 ppm
DICHLOROMETHANE 75-09-2	10-30	>2000 mg/kg	76000 mg/m ³ (4H)	50 ppm
ETHYL ACETATE 141-78-6	<10	5620 mg/kg	not available	400 ppm
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH. 64742-89-8	<5	5000 mg/kg	not available	
COPPER 7440-50-8	<2	not available	not available	0.2 mg/m ³

III. PHYSICAL DATA

Physical State/Appearance: Copper colored/Aerosol
Odour & Odour Threshold: Solvent odour
Specific Gravity: 1.05
Evaporation Rate: >1.0 (butyl acetate = 1)
Vapour Pressure: Not determined
Vapour Density: >1 (air =1)
Freezing Point: Not determined
pH: Does not apply
Octanol/Water Coefficient: Not determined
Boiling Point: 40 degrees C.

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon dioxide, Dry chemical, Foam
Hazardous Combustion Products: Hydrochloric acid, phosgene, chlorine, carbon dioxide
Sensitivity to Static Discharge: Aerosol cans are under pressure and may explode in fire.
Conditions of Flammability: FLAMMABLE: Sprayed product will project flame and may flashback on contact of spray with an ignition source. Contents under pressure. Keep containers cool. Containers may explode if heated. Use equipment or shielding to protect personnel from bursting containers.
Flash Point/Range: Flame projection >15 cm but <100 cm
Autoignition Temperature: Not determined
Upper Explosive Limit: Not determined
Lower Explosive Limit: Not determined

V. REACTIVITY DATA

Conditions Causing Chemical Instability: None
Materials to avoid: Strong oxidizing agents, Heavy metal salts
Conditions of Reactivity: Avoid excessive heat, sparks and open flame.
Hazardous Decomposition Products: Carbon oxides, Hydrogen chloride, phosgene, chlorine.

VI. HAZARDS IDENTIFICATION

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

VI. HAZARDS IDENTIFICATION

Existing Conditions Aggravated by Methylene chloride: Cardiovascular problems

Exposure:

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

Effects of Acute Exposure: High concentration may cause respiratory irritation and central nervous system depression with dizziness, headache, unconsciousness and/or death. Intentionally concentrating and inhaling the vapor may be harmful or fatal. 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: Inhalation of high concentrations of Methylene Chloride vapor over long periods of time (years) has caused cancer in laboratory animals. Long term overexposure to solvents have been associated with lung, liver and kidney damage. May affect the heart and cardiovascular system. Animals exposed to acetone over long periods of time developed eye and kidney damage. Chronic overexposure to ethyl acetate may cause anemia with leukocytosis and damage to liver and kidneys. Since this product contain copper compounds, individuals with Wilson’s Disease should avoid exposure to this product.

Irritancy of Product: Liquid may cause eye injury and is irritating to the skin causing dermatitis. Vapor above TLV is irritating to eyes, nose, and throat and can cause headache, dizziness, nausea. Headache, nausea, dizziness, light headedness, staggering gait, giddiness.

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, D1B TOXIC MATERIALS, 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: 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. Contents under pressure. Do not puncture or incinerate container. Use with adequate ventilation. Avoid breathing vapours. Use good personal hygiene. Avoid smoking, eating or drinking during use. Wash with soap and water after handling.

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.

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 (Air)

Proper Shipping Name: Aerosols, flammable, containing substances in Division 6.1, Packing Group III

Class or Division: Class 2.1, Subsidiary Risk 6.1

UN/ID Number: UN 1950

IMDG (Vessel)

Proper Shipping Name: Aerosols, Limited Quantity

Hazard Class: Class 2.1, 6.1

Product Name: PC COPPER SPRAY-A-GASKET

Item No: 80576

UN Number:

UN 1950

X. PREPARATION INFORMATION

Estimated HMIS Classification: HEALTH 3, FLAMMABILITY 4, PHYSICAL HAZARD 0
HMIS is a registered trademark of the National Paint and Coatings Association

Estimated NFPA Rating: HEALTH 3, FLAMMABILITY 4, REACTIVITY 1
(NFPA is a registered trademark of the National Fire Protection Association)

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

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Company:

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Revision Number: 2

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