



MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: BRUSH AND ROLLER RESTORER

Company: Recochem Inc. ABN: 69 010 485 999
Address : 1809 Lytton Road, Lytton, Queensland 4178
Phone: (07) 3308 5200 Fax: (07) 3308 5201
Emergency Telephone Number: (07) 3308 5200 Day, After Hours 1300 131 001

Other Names: None
Manufacturer's Product Code: 16889
Recommended Use: Restoring paint brushes and rollers

SECTION 2 HAZARDS IDENTIFICATION

**CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA
A DANGEROUS GOODS ACCORDING TO THE CRITERIA OF THE ADG CODE**

Symbol: Xn - Harmful
N - Dangerous for the environment

Risk Phrases: R40 - Limited evidence of a carcinogenic effect
R51/53 - Toxic to aquatic organisms, may cause long term adverse effects on the aquatic environment
R65 - Harmful: May cause lung damage if swallowed

Safety Phrases: S2 - Keep out of the reach of children
S23 - Do not breathe vapour
S24/25 - Avoid contact with skin and eyes
S36/37 - Wear suitable protective clothing and gloves
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)
S53 - Avoid exposure-obtain special instructions before use
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets
S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show container or label

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients

<i>Chemical Entity</i>	<i>CAS Number</i>	<i>Proportion (%)</i>
Solvent naphtha (petroleum), light aromatic	64742-95-6	70 - 80
Methylene Chloride	75-09-2	5 - 10
Tetrachloroethylene	127-18-4	10 - 15
Contains < 0.1% w/w benzene		

SECTION 4 FIRST AID MEASURES

FIRST AID TREATMENT

Swallowed: Immediately rinse mouth with water. Do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Eye: If in eyes, hold eyes open, flood with water for at least 15 minutes. If redness, burning, blurred vision, or swelling persist transport to nearest medical facility for additional treatment.

Skin: If skin or hair contact occurs, remove contaminated clothing and wash skin and hair thoroughly with water and follow by washing with soap if available. Material can be absorbed through skin with resultant toxic effects.

Inhaled: Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

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First Aid facilities: Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

Advice to Doctor: Treat symptomatically.

Additional Information: None available.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Foam, water spray or fog. Dry chemical powder or carbon dioxide for small fires only. Do not use water in a jet.

Hazards from combustion products: Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. Vapour is heavier than air, can spread along ground and distant ignition is possible. Decomposes on heating emitting toxic fumes, including hydrogen chloride, phosgene and oxides of carbon.

Precautions for Fire Fighters and Special Protective Equipment: Wear full protective clothing and self-contained breathing apparatus.

Additional Information: Hazchem code •3Y.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Observe all local and national regulations.

Spills and Disposal: Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Remove all sources of ignition in the surrounding area. For large spills clear area of all unprotected personnel. Work upwind or increase ventilation. Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

Methods and Materials for Containment and Clean Up Procedures: For small spills (<1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent non-combustible material such as sand or soil (avoid using sawdust or cellulose) and dispose of safely. For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling and Storage: Avoid contact with skin, eyes and clothing. Avoid breathing vapours. Wash thoroughly after handling. Handle and open container with care in well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Do not empty into drains. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not eat, drink or smoke in contaminated areas. Do not store near aerosols, flammables, strong oxidants and corrosives. Incompatible with amines, alkali metals, nitric acid. Material may react on prolonged contact with aluminium, releasing gas and causing subsequent pressure build up. May react violently with metals such as sodium, potassium and barium, particularly if they are finely divided. May react with freshly galvanised surfaces to produce highly toxic dichloroacetylene. Contact with hot surfaces, sparks or naked flames may generate toxic fumes of phosgene and hydrogen chloride.

Dispensing: Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment. Remove any ignition sources and avoid sparks and any other sources of heat.

Flammability: Flammable.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards:

Solvent naphtha (petroleum), light aromatic: In the absence of occupational exposure standards for this product, it is recommended that the following be adopted: Aromatic solvents 169-185, HSPA 100mg/m³ TWA (8hr).

Methylene Chloride: National Occupational Health & Safety Commission (NOHSC) Worksafe Australia has set an exposure standard 174mg/m³ (50ppm) TWA (8hr), Carcinogen Category 3, Skin.

Perchloroethylene: National Occupational Health & Safety Commission (NOHSC) Worksafe Australia has set an exposure standard 340mg/m³ (50ppm) TWA (8hr), 15 min STEL = 1020mg/m³ (150ppm), Carcinogen Category 3.

Biological Limit Values: No biological limit allocated.

Personal Protective Equipment:

Respiratory Protection: If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter

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for organic gases and vapours (boiling point > 65 Deg C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.

Hand Protection: Use solvent resistant gloves (nitrile for longer term protection or PVC and neoprene for incidental splashes).

Eye Protection: Wear safety goggles.

Protective Clothing: Use chemical resistant glove/gauntlets, boots and apron.

Engineering Controls: Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION / CHEMICAL PROPERTIES

Appearance	Colourless Liquid
Odour	Aromatic
pH:	N/A
Vapour Pressure (mmHg @ 20°C):	400 (24°C)
Vapour Density (air = 1)	> 1
Boiling Point (°C):	39.8 - 182
Freezing/Melting Point (°C):	N/A
Solubility in Water	Emulsifies
Specific Gravity (g/ml @ 15°C):	0.95 - 1.05
Flashpoint (°C):	55
Flammability Limits (%):	0.01 - 19
Auto Ignition Temperature (°C):	N/A
Percent Volatiles	100

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of use.

Conditions to Avoid: Avoid heat, sparks, open flames and other ignition sources.

Incompatible Materials: Strong oxidising agents, amines, alkali metals, nitric acid. Material may react on prolonged contact with aluminium, releasing gas and causing subsequent pressure build up.

Hazardous Decomposition Products: Thermal decomposition is highly dependant on conditions. A complex mixture of airborne solids, liquids, gases, including hydrogen chloride, phosgene, carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Acute:

Swallowed: Low toxicity: LD50>2000mg/kg, Rat. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal. Swallowing can result in nausea, vomiting and central nervous system depression. If showing signs of central nervous system (similar to those of drunkenness) there is a higher likelihood of breathing in vomit and subsequent lung damage.

Eye: Mild irritant.

Skin: Mild irritant. Low toxicity: LD50>2000mg/kg, Rat.

Inhaled: Low toxicity: LC50 greater than near-saturated vapour concentration 4 hours, Rat. High concentrations may cause central nervous system depression. Continued inhalation may result in unconsciousness and/or death.

Chronic: Auditory system: prolonged and repeated exposures to high concentrations have resulted in hearing loss in rats. Solvent abuse and noise interaction in the work environment may cause hearing loss. Methylene Chloride and Perchloroethylene: these materials have been classified by the International Agency for Research on Cancer (IARC) as a Group 2B. Group 2B – The agent is probably carcinogenic to humans.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:

Fish	: Toxic: 1 < LC/EC/IC50 <= 10mg/l
Aquatic Invertebrates	: Toxic: 1 < LC/EC/IC50 <= 10mg/l
Algae	: Toxic: 1 < LC/EC/IC50 <= 10mg/l

Mobility: Adsorbs to soil and has low mobility. Emulsifies with water.

Persistence/degradability: Readily biodegradable. Oxidises by photo-chemical reactions in air.

Bioaccumulation: Has the potential to bioaccumulate.

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SECTION 13 DISPOSAL CONSIDERATIONS

Disposal Methods: Ensure waste disposal conforms to local waste disposal regulations.

SECTION 14 TRANSPORT INFORMATION

UN Number:	1993	Proper Shipping Name:	FLAMMABLE LIQUID N.O.S
Class:	3	Subsidiary Risk:	
Packing Group:	III	Hazchem Code:	●3Y
Special Precautions for User:			

SECTION 15 REGULATORY INFORMATION

Poisons Schedule : 6
AICS : Listed
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:2010) : 14

SECTION 16 OTHER INFORMATION

Further Information may be obtained by contacting Recochem on (07) 3308 5200

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.
