



OAK INDUSTRIAL SUPPLIES
“THE INDUSTRIAL SUPPLIES PEOPLE”

HEALTH & SAFETY DATA SHEET

1 OF 4

IDENTIFICATION OF SUBSTANCE OR PREPARATION AND THE COMPANY:

Name of Product: SCRATCH REMOVER

Synonyms: Dichloromethane

Supplier: Oak Industrial Supplies, Hamilton Road, Sutton in Ashfield, Notts.
Tel: 01623 442222 **Fax:** 01623 441234

COMPOSITION/INFORMATION ON INGREDIENTS:

Contains:

<u>Chemical</u>	<u>% Conc</u>	<u>Classification</u>	<u>Exposure</u>	<u>CAS</u>	<u>EINECS</u>
Methylene Chloride	>99	Xn; R40 Carc. Cat.3	100ppm	75-09-2	200-838-9

HAZARDS IDENTIFICATION

Harmful by inhalation. Continued or high exposure will cause anaesthetic effects. May result in loss of consciousness and could prove fatal. Material can cause irritation to eyes and skin. Repeated exposure to high levels may produce adverse effects on the liver and kidneys.

FIRST AID MEASURES:

	SYMPTOM	TREATMENT
Inhalation:	Irritation of respiratory tract. Light headiness, nausea, vomiting and headaches.	Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention.
Skin Contact:	Slight or mild irritation.	Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If large areas of the skin are damaged or if irritation persists seek medical attention.

Eye Contact:	Irritation resulting in transient eye damage.	Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention.
Ingestion:	Internal irritation, nausea, vomiting and diarrhoea.	Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell seek medical attention.

Immediate Treatment / Antidote: symptomatic treatment and supportive therapy as indicated. Adrenaline and similar sympathomimetic drugs should be avoided following exposure as cardiac arrhythmia may result with possible subsequent cardiac arrest. Following ingestion, absorbents such as activated charcoal may be of value.

FIRE EXTINGUISHING MEASURES:

Suitable Extinguisher:	Use extinguisher suitable to cause of fire.
Hazardous Combustion Products:	Hydrogen Chloride.
Special Fire Equipment for Fire Fighting:	Self contained breathing apparatus.

ACCIDENTAL RELEASE MEASURES:

Safety Precautions:	Wear appropriate PPE – See section 8
Environmental Precautions:	Do not empty into drains, or allow material to enter drains, sewers or watercourses.
Clean Up Methods:	Bund or absorb material onto sand, earth or suitable absorbent material. Transfer to a salvage tank, absorb residues and hold for waste disposal.

HANDLING AND STORAGE:

HANDLING

Ventilation:	Good general ventilation. LEV may be required.
Recommended procedures & equipment:	Keep away from nitric acid. Avoid contact with naked flames and hot surfaces.

STORAGE

Temperature range:	Cool
Humidity range:	Dry
Keep away from:	See Exposure controls/personal protection.
Suitable storage media:	Mild steel

EXPOSURE CONTROLS/PERSONAL PROTECTION:

Exposure limits: 100ppm (350 mg/m³), 8h TWA: 300ppm (1050 mg/m³), STEL Type MEL

Protective Measures:

Respiratory: Type approved RPE for chlorinated Hydrocarbons
 Hands: PVC OR PVA gloves. Gloves should be changed when permeation is likely.
 Eye: Goggles and/or face shield.
 Skin: Overalls and boots.
 Hygiene Measures: Always wash thoroughly after handling chemicals.

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Clear, colourless volatile liquid,
 Odour: Sharp, penetrating
 Boiling Point: 40°C
 Melting Point: -97°C
 Flammability: Not Flammable in normal conditions, certain mixtures with air can be ignited with high intensity heat sources.
 Vapour Pressures: 355 mm Hg @ 20°C, 529 mm Hg @ 30°C
 Relative Density: 1.32
 Solubility in water: Slightly soluble, 1.3% @ 25°C
 Solubility in solvent: Miscible with most organic solvents.
 Vapour Density: 2.93 (Air=1)

STABILITY AND REACTIVITY:

Known Hazardous Reactions: Contact with red hot surfaces, sparks or flames may generate acid fumes. Forms a denotable mixture with Nitric Acid may react with certain Amines eg Polyurethane catalysts.
 Materials to avoid: Prolonged contact with aluminium, magnesium and alloys may cause reactions with gas generation and pressure build up.
 Hazardous Decomposition Products: Hydrogen Chlorine.

TOXICOLOGICAL INFORMATION:

Effects: High atmospheric concentrations will lead to anaesthetic effects and adverse effects on central nervous system. Very high concentrations may cause abnormal heart rhythm and prove suddenly fatal. Contact with skin will remove natural greases resulting in dryness, cracking and dermatitis. Liquid splashes into the eye will cause irritation. Ingestion of small quantities is unlikely to cause any adverse effects. Large doses may cause irritation, nausea, vomiting, diarrhoea and lead to drowsiness and unconsciousness. Chronic studies in mice have shown the material to be carcinogenic, this effect is specific to the species and is very unlikely to occur in man.

ECOLOGICAL INFORMATION:**Environmental Effects:**

Mobility:	Liquid with high volatility, sparingly soluble in water.
Degradability:	Does not persist in the atmosphere. Atmospheric lifetime is approx. 6 months. Slowly, biodegradable in water and soil.
Bioaccumulative Potential:	Low.
Aquatic Toxicity:	Harmful to aquatic organisms.

DISPOSAL CONSIDERATIONS:

Substance:	Via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.
Container:	As substance. Used containers must not be cut up or punctured until completely purged of product residues.

TRANSPORT INFORMATION:

UN Number:	1593
Class/Item No:	6.1. 15(C)
Primary Hazard:	Toxic
Emergency Action Code:	2z
Packing Group:	III
H.I. Number:	60

REGULATORY INFORMATION:

Supply Label Details:	Ref CHIP 2
Label Name:	Dichloromethane
Symbols:	Harmful
Risk Phrases:	40 Possible risk of irreversible effects
Safety Phrases:	23 – 24/25 – 36/37 Do not breathe vapour. Avoid contact with skin and eyes. Wear suitable protective clothing and gloves.
E.E.C. No:	200-383-9
Use of this material may be governed by the following regulations:-	

Users are advised to consult these regulations for further information.

The information contained in this data sheet does not constitute an assessment of workplace risks.

OTHER INFORMATION:

This material is usually used for: General Solvent

Legal Disclaimer:

The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specification of the product. The user must satisfy himself that the product is entirely suitable for his purpose.

REVISED 13/02/04