

**SAFETY DATA SHEET
BRUSH RESTORER****1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

PRODUCT NAME BRUSH RESTORER

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APPLICATION A SOLVENT FOR REMOVING HARDENED PAINT FROM BRUSHES

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2 HAZARDS IDENTIFICATION

Flammable. Limited evidence of a carcinogenic effect. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed.

CLASSIFICATION (1999/45) Xn;R65. Carc. Cat. 3;R40. N;R51/53. R10.

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content | Classification (67/548) |
|---|-----------|------------|---------|-------------------------|
| DICHLOROMETHANE | 200-838-9 | 75-09-2 | 30-60% | Carc. Cat. 3;R40 |
| DISTILLATES (PETROLEUM), CLAY-TREATED MIDDLE; GASOIL - UNSPECIFIED | 265-139-3 | 64742-38-7 | 60-100% | Carc. Cat. 2;R45 |

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS

This is a mixture of petroleum distillates, chlorinated hydrocarbons, surfactant and dye. As note N applies to CAS number 64742-38-7 the raw material supplier has not classified it as carcinogenic and therefore not assigned the risk phrase R45.

4 FIRST-AID MEASURES**GENERAL INFORMATION**

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on the side in the recovery position and ensure breathing. If breathing stops, provide artificial respiration.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

SKIN CONTACT

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA**

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

BRUSH RESTORER**SPECIAL FIRE FIGHTING PROCEDURES**

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS

FLAMMABLE. If heated, volume and pressure increases strongly, resulting in explosion of container.

SPECIFIC HAZARDS

When heated and in case of fire, toxic vapours/gases may be formed.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Do not smoke, use open fire or other sources of ignition. In case of spills, beware of slippery floors and surfaces.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Attempt to stop the gas leak, if no risk is involved. To prevent release, place container with damaged side up. Collect and dispose of spillage as indicated in section 13. Contain spillages with sand, earth or any suitable adsorbent material. Do not allow to enter drains, sewers or watercourses.

SPILL CLEAN UP METHODS

Stop leak if possible without risk. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb spillage with suitable absorbent material. Collect in containers and seal securely.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Keep away from heat, sparks and open flame. Wear full protective clothing for prolonged exposure and/or high concentrations. Contaminated rags and cloths must be put in fireproof containers for disposal. Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets. Observe good chemical hygiene practices. Avoid inhalation of vapours/spray and contact with skin and eyes. Do not use in confined spaces without adequate ventilation and/or respirator. Persons with impaired lung functions should not handle this preparation.

USAGE DESCRIPTION

Open containers slowly in order to release any pressure build up that may occur. Keep containers closed when not in use. When using transfer required amount to a non-plastic container such as glass or metal.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place. Keep in original container. Keep upright. Keep away from heat, sparks and open flame. Avoid contact with oxidising agents. Flammable/combustible - Keep away from oxidisers, heat and flames.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name | Std | TWA - 8 hrs | | STEL - 15 min | | Notes |
|--|-----|-------------|---------------|---------------|----------------|-------|
| DICHLOROMETHANE | WEL | 100 ppm(Sk) | 350 mg/m3(Sk) | 300 ppm(Sk) | 1060 mg/m3(Sk) | Sk |
| DISTILLATES (PETROLEUM), CLAY-TREATED MIDDLE; GASOIL - UNSPECIFIED | WEL | 100 ppm | | 125 ppm | | |

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT**PROCESS CONDITIONS**

Use engineering controls to reduce air contamination to permissible exposure level.

BRUSH RESTORER**ENGINEERING MEASURES**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Use respiratory equipment with gas filter, type A2.

HAND PROTECTION

Protective gloves must be used if there is a risk of direct contact or splash. Use protective gloves made of: Nitrile. Rubber, neoprene or PVC.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---------------------------------|-------------------------------|------------------|----|
| APPEARANCE | Coloured liquid | | |
| COLOUR | Green | | |
| ODOUR | Chlorinated hydrocarbons. | | |
| VOLATILITY DESCRIPTION | Easily volatile. | | |
| SOLUBILITY | Forms an emulsion with water. | | |
| RELATIVE DENSITY | 1.1 | FLASH POINT (°C) | 39 |
| VOLATILE ORGANIC COMPOUND (VOC) | 1078g/l | | |

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid contact with acids and oxidising substances. Avoid heat, flames and other sources of ignition.

POLYMERISATION DESCRIPTION

Avoid heat.

MATERIALS TO AVOID

Natural Rubber

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Toxic gases/vapours/fumes of: Chlorides. Chlorine. Phosgene (COCl₂).

11 TOXICOLOGICAL INFORMATION**GENERAL INFORMATION**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

INHALATION

Inhalation of low concentrations may cause headache, nausea, uncoordination, and drunkenness, high concentrations may cause bronchitis, pulmonary oedema, vomiting, numbness of the extremities, cyanosis, unconsciousness and death.

INGESTION

Irritating to mouth and digestive tract. Vomiting and possible aspiration into the lungs may cause pulmonary oedema which could be fatal.

SKIN CONTACT

May be absorbed through the skin. Irritating to skin. Prolonged or repeated contact with the skin can cause dermatitis.

EYE CONTACT

Irritating and may cause redness and pain. Vapour or spray may cause temporary (reversible) eye damage.

HEALTH WARNINGS

INHALATION. Prolonged inhalation of high concentrations may damage respiratory system. SKIN CONTACT. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation. EYE CONTACT. May cause severe irritation to eyes. INGESTION.

The product causes irritation of mucous membranes and may cause abdominal discomfort if swallowed.

BRUSH RESTORER**ROUTE OF ENTRY**

Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.

TARGET ORGANS

Skin. Eyes. Respiratory system, lungs.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

LC 50, 96 Hrs, FISH mg/l Unknown

EC 50, 48 Hrs, DAPHNIA, mg/l Unknown

IC 50, 72 Hrs, ALGAE, mg/l Unknown

MOBILITY

This product will sink if released into the aquatic environment. The product is poorly adsorbed into soils or sediments. If released to soil it will evaporate at a rapid rate.

BIOACCUMULATION

No data available on bioaccumulation.

DEGRADABILITY

The product is expected to be slowly biodegradable.

ACUTE FISH TOXICITY

Toxic to aquatic environment and may cause long term adverse effects.

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket. The packaging should be collected for reuse. Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Do not allow runoffs! This chemical is toxic to organisms in water. Empty containers must not be burned because of explosion hazard. Incinerate in suitable combustion chamber. Recover and reclaim or recycle, if practical. Waste material is classified as hazardous waste and should be disposed of by incineration or collected by a registered waste disposal company, operating within the scope of the Hazardous waste Regulations 2005 in the UK or local equivalent regulations in other countries.

14 TRANSPORT INFORMATION**GENERAL**

LIMITED QUANTITY SIZE IS 5 LITRES



UK ROAD CLASS 3

PROPER SHIPPING NAME FLAMMABLE LIQUID TOXIC NOS (White spirit & Dichlormethane)

UN NO. ROAD 1992

UK ROAD PACK GR.

III

ADR CLASS NO. 3

ADR CLASS

Class 3: Flammable liquids.
Class 6.1: Toxic substances.
(D/E)

ADR PACK GROUP III

TUNNEL RESTRICTION CODE

HAZARD No. (ADR) 36

ADR LABEL NO.

3

RID CLASS NO. 3

RID PACK GROUP

III

UN NO. SEA 1992

IMDG CLASS

3 + 6.1

IMDG PACK GR. III

EMS

F-E, S-D

MARINE POLLUTANT YES

UN NO. AIR

1992

AIR CLASS 3

AIR PACK GR.

III

15 REGULATORY INFORMATION

BRUSH RESTORER

LABELLING



Harmful



Dangerous for the environment

CONTAINS

DICHLOROMETHANE

DISTILLATES (PETROLEUM), CLAY-TREATED MIDDLE; GASOIL - UNSPECIFIED

RISK PHRASES

| | |
|--------|---|
| R10 | Flammable. |
| R40 | Limited evidence of a carcinogenic effect. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in 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/spray. |
| S29/56 | Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. |
| S36/37 | Wear suitable protective clothing and gloves. |
| S46 | If swallowed, seek medical advice immediately and show this container or label. |
| S51 | Use only in well-ventilated areas. |
| S24/25 | Avoid contact with skin and eyes. |

UK REGULATORY REFERENCES

Fire precautions Act 1971. The Control of Substances Hazardous to Health Regulations 1988. Chemicals (Hazard Information & Packaging) Regulations. Health and Safety at Work Act 1974.

ENVIRONMENTAL LISTING

Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980.

EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16 OTHER INFORMATION

REVISION DATE 13/04/2010

REV. NO./REPL. SDS GENERATED 1

RISK PHRASES IN FULL

| | |
|-----|--|
| R40 | Limited evidence of a carcinogenic effect. |
| R45 | May cause cancer. |

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.