

DRY-TREAT 40SK

MATERIAL SAFETY DATA SHEET

Date of Issue: June 2002

STATEMENT OF HAZARDOUS NATURE

Classified as Hazardous according to criteria of Worksafe Australia

COMPANY DETAILS

Company: DRY TREAT PTY LTD
Address: 220 Pacific Hwy, Crows Nest NSW 2065 Australia
P.O. Box 551, St Leonard's NSW 1590 Australia
Tel: +61 2 9954 3211 Fax: +61 2 9954 3162

Emergency Telephone Number: +61 2 9954 3211

IDENTIFICATION

Product Name: **DRY-TREAT 40SK**
Other Name: Flammable liquids, n.o.s.
UN Number: **1993**
Dangerous Goods Class: 3
Subsidiary Risk: **Not Relevant**
Hazchem Code: 2[Y]E
Packaging Group: **II**
Poisons Schedule Number: S6
Use: **Water repellent for masonry substrate**

PHYSICAL AND CHEMICAL DESCRIPTION

Appearance: **Clear, yellow liquid**
Odour: Mild alcoholic odour
Solvent: **Ethanol**
Boiling Point/Melting Point: 80°C
Vapor Pressure (20°C): **0.67 kPa**
Specific Gravity: 0.83
Flashpoint (closed cup): **10°C**
Flammability Limits: Not applicable
Solubility in Water (20°C): **Partly miscible, partial decomposition by hydrolysis**

Other:
Viscosity (20°C): 1.06 mPaS

INGREDIENTS

Chemical Name:	Hazard Symbol	R-phrases	S-phrases	CAS Number	Proportion
"Active ingredients determined not to be hazardous"	-	36/37/38	-	-	10 - <30%
Silicate Monomer	Xn	-	-	-	10 -
Organic impurities	F	11	-	[64-17-5]	<30%
Ethanol	F	-	-	-	<5% to 100%

HEALTH HAZARD INFORMATION

Main symptoms: No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

Acute:

Swallowed: Swallowing small splashes is unlikely to cause any adverse effects. Swallowing large amount can cause nausea, vomiting, irritation of the mouth, throat and stomach, and may lead to drowsiness and loss of consciousness. The product may hydrolyse in the gastrointestinal tract and produce ethanol. This product may also aspirate into the lung and cause chemical pneumonitis.

Eye: Mild irritant. Liquid splashes and high concentrations of vapor may cause irritation. Permanent damage is unlikely. Signs/symptoms can include redness, swelling, pain and tearing.

Skin: Mild irritant. Will have a degreasing action on the skin. Can be absorbed through the skin but not sufficient to cause adverse effects. Repeated or prolonged skin contact may lead to allergic dermatitis.

Inhaled: Inhalation of high atmospheric concentrations of vapor result in headaches, dizziness and possible nausea, vomiting and headache. An aerosol mist may cause lung damage if inhaled.

Chronic:

Repeated exposure well above the occupational exposure limit may produce adverse effect on the liver and kidney. May also cause central nervous system disorders.

FIRST AID MEASURES

Take off all contaminated clothing and wash before reuse.

After inhalation

Remove victim from exposed area - avoid becoming a casualty. Provide fresh air, take off contaminated clothing and loosen remaining clothing. If breathing is difficult ensure airways are clear and give oxygen. If breathing has stopped apply artificial respiration (CPR). Seek medical advice.

After skin contact

Wash off with plenty of water and soap immediately. Remove contaminated clothing and wash before re-use. Seek medical advice if irritation persists.

After eye contact

Rinse with plenty of water for 15 minutes and seek medical advice.

After ingestion

Rinse mouth with water and give water to drink. Never give anything by mouth if the victim is rapidly losing consciousness, is unconscious or convulsing. Seek medical advice immediately.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Control

Use in well-ventilated area. Avoid contact with ignition sources. Avoid contact with skin and eyes. DO NOT inhale vapors. DO NOT enter confined spaces where vapor may have collected. Prevent concentration in hollows or sumps. Remove contaminated clothing. Keep container tightly closed.

Personal Protection

Do not eat, drink or smoke when using this product. Wash exposed areas with soap and water. Wash hands after handling and before eating.

Respiratory Protection

Avoid breathing vapors and air born material. Use respirators in accordance with AS/NZS 1715 and AS/NZ 1716 when necessary. A respirator with organic vapor and particle filters is recommended.

Hand Protection

Wear suitable protective gloves when handling this material. Glove made from nitrile rubber is recommended.

Eye Protection

Avoid eye contact with vapor, mist or spray. Close fitting protective goggles should be worn as appropriate, to prevent eye contact. Eye protection should comply with AS/NZS1337.

Exposure Standards

Ethyl alcohol

Ethyl alcohol is formed upon contact with water or humid air.

Worksafe exposure standards TWA: 1000 PPM, OSHA PEL and ACGIH TLV: 1000 PPM = 1900 mg/m³

Ethyl silicate (TES)

TWA: 10 ppm 85 mg/m³

Methyl Ethyl Ketone

TWA: 150 ppm 445 mg/m³ STEL: 3 300 ppm 890 mg/m³

Acetone

TWA: 500 ppm 1185 mg/m³ STEL: 1000 ppm 2375 mg/m³

Tin Organic Compounds (as Sn)

TWA: 0.1 mg/m³ STEL skin: 0.2 mg/m³

1-Butanol

PEL(OSHA) 100 ppm, 300 mg/m³ TLV(ACGIH) 50 ppm, 152 mg/m³. Skin Ceiling.

HANDLING AND STORAGE**Storage**

Keep containers tightly closed and store in a cool, well-ventilated place. Protect from the sun. Protect from moisture. Keep away from heat and ignition sources. Take precautionary measures against static charges. Store away from foodstuffs.

TRANSPORT INFORMATION

Product Name:

DRY-TREAT 40SK

Other Name:

Flammable liquids, n.o.s.

UN Number: Dangerous Goods Class: Subsidiary Risk: Hazchem Code: Packaging Group: Poisons Schedule Number: Use:	1993 3 Not Relevant 3[Y]E II S6 Water repellent for masonry substrate
---	---

ACCIDENTAL RELEASE MEASURES

Methods for Cleaning Up

Personnel should wear full protective clothing (see EXPOSURE CONTROLS / PERSONAL PROTECTION). Take up mechanically with an absorbent material i.e. sand, sawdust, universal absorbent.

For large spills, provide diking or other appropriate containment to keep material from spreading. Prevent entry into drainage systems, rivers and lake.

Methods for Disposal

Transfer solvent residues to a labeled, sealed container for disposal. Refer to State Land Waste Management Authority for disposal instructions. Incinerate in a suitable hazardous waste incinerator. Do not dispose into drain, soil or waterways.

FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Foam, CO ₂ , dry powder, Water spray.
Fire Hazards:	In case of fire cool endangered containers with water.
Unusual Fire Hazards:	Vapours are heavier than air and may travel to a source of ignition and flash back.

STABILITY AND REACTIVITY

Hazardous Reactions

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.

Hazardous Decomposition Products

Contact with red-hot surfaces, sparks or naked flames may generate toxic fumes of phosgene, hydrogen chloride and hydrogen fluoride. Silicon dioxide, Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Tin oxide.

Hazardous polymerization: Hazardous polymerisation will not occur.

Incompatible Materials:

Oxidising agents. Concentrated nitric acid and concentrated sulfuric acid.

ECOLOGICAL INFORMATION

Environmental Precautions

DO NOT introduce large amounts into purification plants. Keep away from drains, waterways and soil.

REGULATORY INFORMATION

Labelling:

According to the Dangerous Preparations Directive (88/379/EEC)

Hazard symbol: F = Highly flammable Xi = Irritant

R-phrases:

R11 Highly flammable
R20 Harmful by inhalation
R38 Irritating to eyes, respiratory system and skin

S-phrases:

S7 Keep container tightly closed
S16 Keep away from sources of ignition - No smoking
S23 Do not breathe vapour /spray
S24/25 Avoid contact with skin and eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S33 Take precautionary measures against static discharges
S36/37 Wear suitable protective clothing and gloves.

CONTACT POINT

For specialist advice, contact Technical Manager on +61 2 9954 3211

Important Note:

The information presented in this MSDS is intended as a guideline for the selection and use of DRY-TREAT 40SK, and is accurate to the best of our knowledge at the time of publication. This is not a specification and is not to be used as a firm approval for the suitability of DRY-TREAT 40SK for any particular surface or substrate. Each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product. If clarification or further information is needed contact Dry-Treat Pty Ltd.