

# DRY-TREAT 100N

## MATERIAL SAFETY DATA SHEET

Date of Issue: November 2005

### STATEMENT OF HAZARDOUS NATURE

Hazardous according to criteria of Work safe Australia

### COMPANY DETAILS

**Company:** DRY TREAT (AUSTRALIA) PTY LTD  
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**Emergency Telephone Number:** +61 2 9954 3211

### IDENTIFICATION

**Product Name:** DRY-TREAT 100N  
**Other Name:** Alkoxy silane  
**Correct Shipping Name:** Not applicable  
**UN Number:** Not applicable  
**Dangerous Goods (Class and Subs Risk):** Not applicable  
**IATA Dangerous Goods Class:** Not subject to IATA regulations  
**IMDG Dangerous Goods Class:** Not subject to IMDG regulations  
**Hazchem Code:** Not applicable  
**Poisons Schedule Number:** Not applicable  
**Use:** Water protection for dense masonry substrate

### PHYSICAL AND CHEMICAL DESCRIPTION

**Appearance:** Colourless to pale yellow  
**Physical form:** Liquid  
**Odor:** Alcoholic odor  
**Solvent:** None  
**Boiling Point:** > 65 °C  
**Melting Point:** Not determined  
**Vapour Pressure (20°C):** Not determined  
**Specific Gravity (25 °C):** 0.88  
**Flashpoint (close cup):** 62 °C  
**Lower Flammability Limits:** Not determined  
**Upper Flammability Limits:** Not determined  
**Solubility in Water (20°C):** Not miscible  
**Refractive Index:** 1.400  
**Viscosity (20°C):** < 10cSt

### INGREDIENTS

Chemical Name:	CAS Number:	Proportion:
Isobutyltriethoxysilane	[017-980-471]	> 99 %
Unidentified Impurities		< 1%

## HEALTH HAZARD INFORMATION

<b>Acute:</b>	
<b>Swallowed:</b>	Small amounts transferred to the mouth by fingers during use should not injure.
<b>Eye:</b>	Vapours may irritate and cause pain and watering. Direct contact irritates slightly with redness and swelling.
<b>Skin:</b>	A single short exposure (less than 24 hours) may irritate.
<b>Inhaled:</b>	Vapours may irritate respiratory passage.
<b>Chronic:</b>	
<b>Swallowed:</b>	Repeated swallowing or swallowing large amounts may injure internally
<b>Skin:</b>	Repeated prolong contact (24 to 48 hours) may irritate seriously.
<b>Inhaled:</b>	Repeated or prolonged exposure may injure the following organs: Liver, Blood, Kidneys.
<b>Others:</b>	
<b>Carcinogens:</b>	None Known
<b>Teratogens:</b>	None Known
<b>Mutagens:</b>	None Known
<b>Reproductive Toxins:</b>	Prolonged overexposure to Ethanol has caused human birth defects.
<b>Sensitizers:</b>	None Known

## FIRST AID MEASURE

Take off all contaminated clothing. If it is safe, remove to fresh air.

<b>After inhalation:</b>	Provide fresh air, if feeling unwell seek medical advice.
<b>After skin contact:</b>	Wash off with plenty of water and soap immediately, seek medical advice if necessary.
<b>After eye contact:</b>	Immediately rinse with water for 15 minutes and seek medical advice.
<b>After ingestion:</b>	Seek medical advice immediately.
<b>First Aid Facilities:</b>	None should be required.
<b>Advice to Doctor:</b>	Treat Symptomatically. For further information contact Dry-Treat Australia Pty. Ltd.

## EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering Controls:

Use in well ventilated area. Local exhaust and general ventilation recommended.

### Personal Protection:

Avoid contact with skin and eyes. Do not inhale vapours. Do Not take internally. Do Not wear contaminated clothing. Wash at mealtime and end of shift.

### Respiratory protection:

Use respiratory protection unless adequate local exhaust ventilation is provided. Suitable respirator such as Organic Vapor/Dust/Mist/Fume Type can be use.

### Hand protection:

Wear suitable protective gloves such as nitrile rubber or natural rubber.

### Eye protection:

Close fitting protective goggle (e.g. chemical worker's goggle).

### Flammability:

Static electricity will accumulate and may ignite vapours. Prevent a possible fire Hazard by bonding and grounding or inert gas purge. Do not uses close to ignition source. Keep container closed.

<b>Exposure Standards:</b>	
Isobutyltriethoxysilane:	See ethyl alcohol comments.
Unidentified Impurities:	See ethyl alcohol comments.
Ethyl alcohol:	TWA 1000 ppm. OSHA PEL and ACGIH TLV: TWA 1000 ppm. Ethyl alcohol is formed upon contact with water or humid air. Provide ventilation to control exposure within WORKSAFE/OSHA guidelines.

## HANDLING AND STORAGE

### Handling

Provide sufficient ventilation. Product evolves ethyl alcohol on exposure to water or humid air. Avoid contact with skin and eyes. Do not inhale vapours. DO Not take internally. Do Not wear contaminated clothing. Wash at mealtime and end of shift.

**Application processing:** Provide good ventilation.

### Protect against fire/explosion

Take precautionary measures against static charges. Keep away from sources of ignition - no smoking.

### Storage

Keep containers tightly closed and store in a cool, well ventilated place. Protect from moisture, heat, sparks and flame

### Incompatibility

Store away from oxidising material.

## ACCIDENTAL RELEASE MEASURES

### Personal precautions

Provide sufficient ventilation. Keep away from sources of ignition - no smoking.

### Environmental precautions

Keep away from drains, waters and soil.

### Methods for cleaning up

Take up mechanically with an absorbent material i.e. sand, sawdust, and universal absorbent. For large spills, provide diking or other appropriate containment to keep material from spreading. Final cleaning with steam, solvents or detergents may require to prevent slip hazard. Dispose with respect to local regulations, dispose of to suitable waste incineration plant.

## FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

Foam, water spray, CO<sub>2</sub>, dry powder.

**Special hazards:**

In case of fire cool endangered containers with water. Vapours are heavier than air and may travel to a source of ignition and flash back.

## STABILITY AND REACTIVITY

**Hazardous reactions:**

Hazardous vapors may form due to possible reactions with water, moisture, or humid air. Oxidising material can cause a reaction.

**Hazardous decomposition products:**

Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds.

**Hazardous Polymerization:**

Hazardous polymerization will not occur.

## ECOLOGICAL INFORMATION

No data available.

## REGULATORY INFORMATION

**Labeling:**

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

**Hazard symbol:** Xi = Irritant

**R-phrases:** R38 Irritating to eyes, respiratory system and skin.

**S-phrases:** S23(S) Do not breathe spray.  
S24/25 Avoid contact with skin and eyes.  
S37/39 Wear suitable gloves and eye/face protection  
S51 Use only in well-ventilated areas.

## 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 100N, 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 approved for the suitability of DRY-TREAT 100N for any particular surface or substrate. For specific written recommendations and instructions contact Dry-Treat (Australia) Pty Ltd.*