

# SAFETY DATA SHEET



## DuPont™ Input® penetrant

Version 2.0

Revision Date 26.07.2016

Document no. 130000024627

This SDS adheres to the standards and regulatory requirements of New Zealand and may not meet the regulatory requirements in other countries.

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product name** : DuPont™ Input® penetrant

**Other names** : C10072595

**Recommended use of the chemical and restriction on use**

No information available.

**Manufacturer, importer, supplier**

Company : DuPont (New Zealand) Limited  
Street address : Level 1, 14 Ormiston Road, East Tamaki, Auckland 2016  
New Zealand  
Telephone : 0800 658080  
Telefax : (09)-271-2961

**Emergency telephone number** : NZ Poisons Information Centre Ph: 0800 764766  
24-hour Medical Emergency: 0800 111174 Transport Emergency: 0800 387668

### 2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001  
Classified as a Dangerous Good according to NZS 5433

**HSNO Classification:**

6.1D : Acute toxicity (Inhalation)  
6.1D : Acute toxicity (Dermal)  
6.4A : Eye irritation  
9.1B : Aquatic toxicity (Acute or Chronic)

Endpoints which are not classified, cannot be classified or are not applicable are not shown.

**Label content**

Pictogram :



Signal word : Warning

Hazardous warnings : Harmful in contact with skin.  
Causes serious eye irritation.  
Harmful if inhaled.  
Toxic to aquatic life with long lasting effects.

Precautionary statements : If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.

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Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
Wash skin thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Avoid release to the environment.  
IF ON SKIN: Wash with plenty of soap and water.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Call a POISON CENTER/doctor if you feel unwell.  
If eye irritation persists: Get medical advice/ attention.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Wash contaminated clothing before reuse.  
Collect spillage.  
Dispose of contents/ container to an approved waste disposal plant.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature** : Mixture

#### Components

Chemical name	CAS-No.	Concentration
Poly(ethylene oxide/propylene oxide) mono[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl] ether	134180-76-0	>=75%
Other Ingredients		<=25%

### 4. FIRST AID MEASURES

Contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor if you feel unwell.

**Inhalation** : If inhaled Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Skin contact** : In case of skin contact Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

**Eye contact** : If in contact with eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion** : If swallowed Do NOT induce vomiting. Rinse mouth.

**Most important symptoms/effects, acute and delayed** : No information available.

**Protection of first-aiders** : No information available.

**Notes to physician** : No information available.

### 5. FIREFIGHTING MEASURES

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<b>Suitable extinguishing media</b>	: Water spray, Foam, Dry chemical, Carbon dioxide (CO2)
<b>Unsuitable extinguishing media</b>	: High volume water jet, (contamination risk)
<b>Specific hazards</b>	: Hazardous decomposition products Carbon monoxide Carbon dioxide (CO2) silicon oxides
<b>Special protective equipment for firefighters</b>	: In the event of fire, wear self-contained breathing apparatus. Wear full protective equipment.
<b>Specific extinguishing methods</b>	: No information available.
<b>Further information</b>	: Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers/tanks with water spray.
<b>Hazchem Code</b>	: .3Z

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	: Use personal protective equipment.
<b>Environmental precautions</b>	: Prevent material from entering sewers, waterways, or low areas.
<b>Methods and materials for containment and cleaning up</b>	: Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container.
<b>Additional advice</b>	: Dispose of in accordance with local regulations.

### 7. HANDLING AND STORAGE

#### Handling

Technical measures/Precautions	: Avoid breathing vapours or mist. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.
Precautions for safe handling	: No information available.

#### Storage

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Suitable storage conditions : Store in original container. Keep tightly closed.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

No occupational exposure limit values are applicable.

**Engineering measures** : Ensure adequate ventilation.

**Biological occupational exposure limits** : No information available.

#### Personal protective equipment

**Respiratory protection** : Where there is potential for airborne exposures in excess of applicable limits, wear approved respiratory protection with dust/mist cartridge.

**Hand protection** : Material: Protective gloves

**Eye protection** : Wear chemical safety goggles or equivalent eye protection.

**Skin protection** : Wear protective clothing such as gloves, apron, boots, or coveralls, as appropriate.

**Hygiene measures** : No information available.

**Protective measures** : All chemical protective clothing should be visually inspected prior to use. Clothing and gloves should be replaced in case of chemical or physical damage or if contaminated. End users of this product should follow label instructions for personal protection when using this product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance (Physical state, form, colour, etc.)

Physical state : liquid  
Form : liquid  
Colour : light yellow

**Odour** : No information available.

**Odour Threshold** : No information available.

**pH** : 6 - 8 (40 g/l) (25 °C)

#### Melting point/freezing point

No information available.

#### Initial boiling point and boiling range

Boiling point/boiling range : Not applicable

**Flash point** : 102 °C

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**Evaporation rate** : No information available.

**Flammability (solid, gas)** : No information available.

**Upper/lower flammability or explosive limits**

Upper explosion limit : No information available.

Lower explosion limit : No information available.

**Vapour pressure** : No information available.

**Vapour density** : No information available.

**Density**

Density : 1.02 g/cm<sup>3</sup> (25 °C)

**Solubility(ies)**

Water solubility : soluble

**Partition coefficient: n-octanol/water** : No information available.

**Auto-ignition temperature**

No information available.

**Decomposition temperature** : No information available.

**Viscosity**

Viscosity, kinematic : No information available.

**Molecular weight** : No information available.

## 10. STABILITY AND REACTIVITY

**Reactivity** : No information available.

**Chemical stability** : Stable at normal temperatures and storage conditions.

**Possibility of hazardous reactions** : Hazardous polymerisation does not occur.

**Conditions to avoid** : No information available.

**Materials to avoid** : None reasonably foreseeable.

**Hazardous decomposition products** : No information available.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

Oral

Poly(ethylene oxide/propylene oxide) mono[3-[1,3,3,3-

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tetramethyl-1-  
[(trimethylsilyl)oxy]disiloxanyl]prop  
yl] ether

Inhalation

DuPont™ Input® penetrant : LC50/4 h/Rat(dust/mist): 1.08 mg/l

Dermal

DuPont™ Input® penetrant : LD50/Rat: 1,550 mg/kg

**Skin corrosion/irritation**

DuPont™ Input® penetrant : Result: Skin irritation

**Serious eye damage/eye irritation**DuPont™ Input® penetrant : Species: Rabbit  
Result: Eye irritation**Respiratory or skin sensitisation**DuPont™ Input® penetrant : Species: Guinea pig  
Result: Did not cause sensitisation on laboratory animals.**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

No information available.

**Reproductive toxicity**

No information available.

**Specific Target Organ Toxicity**

No information available.

**Aspiration hazard**Poly(ethylene oxide/propylene  
oxide) mono[3-[1,3,3,3-  
tetramethyl-1-  
[(trimethylsilyl)oxy]disiloxanyl]pr  
opyl] ether : No aspiration toxicity classification**12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

Acute and prolonged toxicity to fish

DuPont™ Input® penetrant : LC50/96 h/Oncorhynchus mykiss (rainbow trout): 2.1 mg/l

Toxicity to aquatic plants

DuPont™ Input® penetrant : EC50/48 h/Scenedesmus quadricauda (Green algae): 28.2 mg/l

Acute toxicity to aquatic invertebrates

DuPont™ Input® penetrant : EC50/48 h/Daphnia magna (Water flea): 1.1 mg/l

**Persistence and degradability**

DuPont™ Input® penetrant : Not readily biodegradable. Estimation based on data obtained on active

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ingredient.

### Bioaccumulation

DuPont™ Input® penetrant : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

### Mobility in soil

No information available.

### Other adverse effects

DuPont™ Input® penetrant : See product label for additional application instructions relating to environmental precautions.

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal methods** : Do not contaminate ponds, waterways or ditches with chemical or used container.

**Contaminated packaging** : Triple rinse containers. Burn in an appropriate incinerator, if circumstances permit. Otherwise crush or puncture and bury in an approved landfill. Do not re-use empty containers. Dispose of in accordance with local regulations.

## 14. TRANSPORT INFORMATION

### NZS 5433

UN number : 3082  
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Polyethersiloxane)  
Transport hazard class : 9  
Packing group : III

### IMDG

UN number : 3082  
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Polyethersiloxane)  
Transport hazard class : 9  
Packing group : III  
Marine pollutant : yes (Polyethersiloxane)

### IATA

UN number : 3082  
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Polyethersiloxane)  
Transport hazard class : 9  
Packing group : III

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Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises : Marine Pollutants in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 KG or less for solids may be transported as non-dangerous goods as provided in section 2.10.2.7 of IMDG code and IATA special provision A197.

### 15. REGULATORY INFORMATION

HSNO Number : HSR002503

HSNO Controls : T1, T2, T4, T7, T8  
E1, E2, E6  
P1, P3, P13, P15, PG3  
D4, D5, D6, D7, D8  
EM1, EM6, EM7, EM8, EM11, EM12, EM13  
I1, I8, I9, I11, I16, I17, I18, I19, I20, I21, I28, I29, I30

### 16. OTHER INFORMATION

#### References

SDS Number: 130000024627

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Date of first preparation : 26.07.2016  
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Take notice of the directions of use on the label.

Significant change from previous version is denoted with a double bar.

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