



4 Farmers ... For Farmers  
Printing date 23.05.2017

# Safety Data Sheet

according to WHS Regulations

Revision: 23.05.2017

## 1 Identification

**Product Name:** 4FARMERS PENETRATOR

**Other Means of Identification:** Mixture

**Recommended Use of the Chemical and Restriction on Use:** Agricultural Spray Modifier.

**Details of Manufacturer or Importer:**

4Farmers Australia Pty Ltd  
70 McDowell Street  
Welshpool WA 6106

**Phone Number:** +61 8 9356 3446

**Emergency telephone number:** National Poison Information Centre: 13 11 26

## 2 Hazard(s) Identification

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



Acute Toxicity (Inhalation) 4 H332 Harmful if inhaled.

Serious Eye Damage/Irritation 2A H319 Causes serious eye irritation.

Aquatic Acute 3 H402 Harmful to aquatic life.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

**Signal Word** Warning

**Hazard Statements**

H332 Harmful if inhaled.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear eye protection / face protection.

P273 Avoid release to the environment.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

## 3 Composition and Information on Ingredients

**Chemical Characterization: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

(Contd. on page 2)

# Safety Data Sheet


## according to WHS Regulations

Printing date 23.05.2017

Revision: 23.05.2017

**Product Name: 4FARMERS PENETRATOR**

(Contd. of page 1)

<b>Hazardous Components:</b>		
134180-76-0	Oxirane, methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl]-[(trimethylsilyl)oxy]disiloxanyl]propyl] ether (9CI)	>75%
	 Acute Toxicity (Inhalation) 4, H332; Serious Eye Damage/Irritation 2A, H319; Aquatic Acute 3, H402; Aquatic Chronic 3, H412	

### 4 First Aid Measures

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

**Ingestion:**

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. First aid is generally not required. Seek medical attention if in doubt.

**Symptoms Caused by Exposure:**

Inhalation: Harmful if inhaled. May cause respiratory irritation.

Eye Contact: Causes serious eye irritation. May cause severe eye damage.

Ingestion: May be harmful if swallowed.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Foam, dry chemical powder, BCF or carbon dioxide.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon and silicon, formaldehyde, formic acid, acetic acid, silicon polymers and other pyrolysis products typical of burning organic material.

Product is not flammable, but may burn if heated. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Fire Incompatibilities: Strong oxidising agents, nitrates, oxidising acids, chlorine bleaches and pool chlorine.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

### 6 Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

(Contd. on page 3)

# Safety Data Sheet

## according to WHS Regulations

Printing date 23.05.2017

Revision: 23.05.2017

**Product Name: 4FARMERS PENETRATOR**

(Contd. of page 2)

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Final cleaning may require the use of steam, solvents or detergents.

### 7 Handling and Storage

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep in original containers tightly closed when not in use. Protect from extreme temperatures. Keep away from strong oxidising agents, nitrates, oxidising acids, chlorine bleaches, pool chlorine, acids and bases. Suitable containers are metal containers or drums.

### 8 Exposure controls and personal protection

**Exposure Standards:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Engineering Controls:** Ensure adequate ventilation of the working area.

**Respiratory Protection:**

Use an approved Type A-P respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

PVC gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

### 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Light yellow
<b>Odour:</b>	Characteristic
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	6 - 8
<b>Melting point/freezing point:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	No information available

(Contd. on page 4)

# Safety Data Sheet

## according to WHS Regulations

Printing date 23.05.2017

Revision: 23.05.2017

**Product Name: 4FARMERS PENETRATOR**

(Contd. of page 3)

<b>Flash Point:</b>	102 °C
<b>Flammability:</b>	Product is not flammable.
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure:</b>	No information available
<b>Relative Density:</b>	~1.01
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Miscible
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Viscosity:</b>	No information available

### 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:**

Extreme temperatures. At temperatures >150 °C silicones may react with oxygen in the air resulting in self-heating and auto-ignition, at >300 °C the product may depolymerise.

**Incompatible Materials:**

Strong oxidising agents, nitrates, oxidising acids, chlorine bleaches, pool chlorine, acids and bases.

**Hazardous Decomposition Products:**

Oxides of carbon and silicon, formaldehyde, formic acid, acetic acid, silicon polymers and other pyrolysis products typical of burning organic material.

### 11 Toxicological Information

**Toxicity:**

**LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:** No information available

**Acute Health Effects**

**Inhalation:** Harmful if inhaled. May cause respiratory irritation.

**Skin:** No adverse health effects expected.

**Eye:** Causes serious eye irritation. May cause severe eye damage.

**Ingestion:** May be harmful if swallowed.

**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.

**Serious Eye Damage / Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

(Contd. on page 5)

# Safety Data Sheet

## according to WHS Regulations

Printing date 23.05.2017

Revision: 23.05.2017

**Product Name: 4FARMERS PENETRATOR**

(Contd. of page 4)

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.**Chronic Health Effects:**

Repeated or prolonged exposure may lead to accumulation of the product in the body. Repeated or prolonged inhalation may lead to sensitisation in some people.

**Existing Conditions Aggravated by Exposure:**

Pre-existing liver and kidney conditions may be aggravated by ingestion of this product.

**Additional toxicological information:** No information available

### 12 Ecological Information

**Ecotoxicity:****Aquatic toxicity:** Toxic to aquatic life with long lasting effects.**Persistence and Degradability:** No information available**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available**Other adverse effects:** No information available

### 13 Disposal considerations

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

### 14 Transport information

**UN Number** Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated

### 15 Regulatory information

**Australian Inventory of Chemical Substances:**

134180-76-0	Oxirane, methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-]-[(trimethylsilyl)oxy]disiloxanyl]propyl] ether (9CI)
-------------	--

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**

Not Scheduled.

### 16 Other information

**Date of Preparation or Last Revision:** 23.05.2017**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC<sub>50</sub>: Lethal concentration, 50 percentLD<sub>50</sub>: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

(Contd. on page 6)

# Safety Data Sheet

## according to WHS Regulations

Printing date 23.05.2017

Revision: 23.05.2017

**Product Name: 4FARMERS PENETRATOR**

(Contd. of page 5)

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Acute Toxicity (Inhalation) 4: Acute toxicity – Category 4

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

Aquatic Acute 3: Hazardous to the aquatic environment, short-term (Acute). Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

**Data compared to the previous version altered:**

Section 5 - Fire Fighting Measures, heading "Specific Hazards Arising from the Chemical".

Section 9 - Physical and Chemical Properties, heading "Flammability".

**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016"

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. 4Farmers Australia Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.