

## SAFETY DATA SHEET

### SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

<b>Product Name:</b>	<b>Kenso Agcare Silken Penetrant</b>
<b>Company Name:</b>	Kenso Corporation (M) Sdn Bhd
<b>Address:</b>	Level 1, 98 Commercial Road, Teneriffe, 4005 QLD.
<b>Telephone Number:</b>	(07) 3216 1188
<b>Emergency Telephone Number:</b>	000 (Police or Fire Brigade) <b>13 11 26 (Poisons Information Centre)</b>
<b>Use:</b>	Nonionic surfactant for use with Glyphosate and certain Brushweed Herbicides to improve coverage, penetration and uptake on brush and woody weeds and ryegrass. Also for use with fungicides, insecticides, miticides and Foliar micronutrients as per the directions for use table.

### SECTION 2 – HAZARDS IDENTIFICATION

<b>Hazard Classification:</b>	Classified as hazardous according to criteria of Safe Work Australia. Not classified as a Dangerous Good according to the ADG Code.
	
<b>GHS Signal Word:</b>	<b>WARNING</b>
<b>Hazard statements:</b>	H312: Harmful in contact with skin H319: Causes serious eye irritation. H332: Harmful if inhaled. H411: Toxic to aquatic life with long lasting effects
<b>Prevention:</b>	P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P264: Wash contacted areas thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response:</b>	P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312: Call a POISON CENTRE or doctor/physician if you feel unwell. P321: Specific treatment (see FIRST AID on this label) P337 + P313: If eye irritation persists: Get medical advice/attention. P362 + P364: Take off contaminated clothing and wash it before reuse. P391: Collect spillage.

**Disposal:** P501: Dispose of contents/containers as specified on the registered label.  
**SUSMP Classification:** Not a scheduled poison  
**ADG Classification:** N/A  
**UN Number:** N/A

### Emergency Overview

**Physical Description & colour:** Clear straw coloured liquid  
**Odour:** Moderate polyether odour  
**Major Health Hazards:** Severely irritating to eyes

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Polyether modified polysiloxane	134180-76-0	100 %

### SECTION 4 – FIRST AID MEASURES

<b>Inhalation:</b>	Remove victim to fresh air. Seek medical advice if effects persist.
<b>Skin contact:</b>	Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
<b>Eye contact:</b>	Irrigate with copious quantities of water for at least 15 minutes. In all cases of eye contamination, it is sensible precaution to seek medical advice.
<b>Ingestion:</b>	If poisoning occurs, contact a doctor or Poisons Information Centre (Tel 131126)

**Advice to Doctor**  
 Treat symptomatically.

### SECTION 5 – FIRE FIGHTING MEASURES

#### Fire/Explosion Hazard

#### Dangerous Decomposition or Combustion Products

Combustion forms carbon dioxide and if incomplete, carbon monoxide and smoke. Water is also formed. Silica and other silicon compounds. Carbon monoxide poisoning produces headaches, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgement and unconsciousness followed by coma and death.

#### Hazardous Reactions

Do not direct a solid stream of water into hot, burning pools; this may cause frothing and increase fire intensity.

#### Extinguishing Media

Water fog, foam, carbon dioxide or dry chemical.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Spills & Disposal

Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with sand, soil or absorbent granules. If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal in an approved landfill.

## SECTION 7 – HANDLING AND STORAGE

### Handling

When handling this product, do not eat, drink or smoke.

When mixing this product always wear a PVC or rubber apron, elbow length PVC gloves, face shield or goggles and overalls buttoned at the wrist and neck.

When spraying this product, wear a face shield or goggles

After each use, wash gloves, face shield or goggles and overalls.

If product gets on skin, immediately wash area with soap and water.

### Storage

Store in the closed, original container in a well-ventilated area as cool as possible out of direct sunlight. Keep from contact with fertilisers and seeds.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Standards:

Not applicable.

### Engineering Controls:

Well ventilated area.

### Personal Protection

Avoid contact with eyes and skin. Do not inhale spray mist. When preparing spray solution, wear PVC/rubber apron or cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves and goggles or face-shield. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face and contaminated clothing.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Liquid
<b>Colour:</b>	Clear straw coloured liquid
<b>Odour:</b>	Moderate polyether odour
<b>Boiling Point (°C):</b>	> 150°C
<b>Vapour Pressure:</b>	Not available
<b>Specific Density:</b>	1.00 ± 0.01
<b>Flammability:</b>	Non-flammable
<b>Solubility:</b>	Disperse in water

## SECTION 10 – STABILITY AND REACTIVITY

### Chemical Stability

This product is stable under normal storage conditions.

### Conditions to avoid

Keep containers tightly closed. Containers should be kept dry.

### Hazardous Reactions

Keep away from strong oxidising agents, acids and bases.

### Hazardous Polymerization

Hazardous polymerisation is not possible.

## SECTION 11 – TOXICOLOGICAL INFORMATION

**Acute Toxicity – Oral** LD<sub>50</sub> (rat) >2000 mg/kg for formulated product

**Acute Toxicity – Dermal** LD<sub>50</sub> (rat) >2000 mg/kg for formulated product

**Acute Toxicity – Inhalation** LC<sub>50</sub> (rat) (4hr): >11.78 mg/l for 5% diluted formulated product

### Chronic Effects

This material was not mutagenic in an Ames bacterial assay or in three mammalian test systems including the Chinese hamster ovary (CHO)/HGPRT gene mutation assay, a micronucleus cytogenetic assay in mice, and an in vitro mammalian cytogenetic test. In a repeated skin application study with rats, this material caused moderate skin irritation which resolved during a post-application recovery period. There was no evidence for percutaneous cumulative or specific organ toxicity. Findings from a 14-day dietary feeding study with rats show that the high dosage repeated ingestion of this material causes adverse effects on the male and female reproductive tracts. Additional effects seen in this dietary study were increased liver weight, altered blood cytology/chemistry, and thyroid enlargement (primarily hypertrophy, with some hyperplasia). Evidence of partial or complete recovery was found over a 28-day recovery period.

Findings from a repeat 9-day aerosol inhalation toxicity study with rats show a no-observable effect level (NOEL) of less than 0.025mg/l. Symptoms of toxicity included rales, gasping, ocular opacity, prostration, hypothermia, reduced body weight gain and food consumption, changes in clinical pathology, decreased thymus weight, and microscopic lesions in the nasal cavity. It is not anticipated that the use of aqueous dilutions of this product would result in this type of aerosol exposure.

## Potential Health Effects

### Health Effects

#### Acute:

- Inhalation:** Maybe harmful. May be mildly irritating although unlikely to cause anything more than mild transient discomfort.
- Skin contact:** Skin irritant. Symptoms include itchiness and redness of contacted skin. Symptoms disappeared once exposure has ceased.
- Eye contact:** Severe eye-irritant. Symptoms may include stinging and reddening of eye and watering which may become copious. Other symptoms such as blurred vision, swelling of eyelids may appear. For brief exposure, symptoms disappeared once exposure has ceased. Long exposure or delayed treatment is likely to cause permanent damage.

**Ingestion:** Unlikely to have significant exposure. An oral irritant which may develop symptoms including burning sensation and reddening of skin in mouth and throat. Symptoms disappeared once exposure has ceased.

**Chronic:**

No information is available but severe chronic effects are not available.

## SECTION 12 – ECOLOGICAL INFORMATION

### Acute Toxicity

**Fish:** LC<sub>50</sub> rainbow trout (*Oncorhynchus mykiss*): 2.1 mg/L.  
**Algae:** EC<sub>50</sub> *Scenedesmus subspicatus* 28.3 mg/L (biomass) and 152.2 mg/L growth rate.  
**Daphnia:** EC<sub>50</sub> 1.1 mg/L.

### Persistence / Degradability

Toxic to aquatic organisms. Product is biodegradable and it will not accumulate in the soil or water or cause long term effects.

### Other Precautions

Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Disposal:** Instructions concerning the disposal of this product and its containers are given on the product label. These should be carefully followed.

## SECTION 14 – TRANSPORT INFORMATION

### ADG

**UN Number:** UN3082  
**Proper shipping name:** Environmentally Hazardous Substance, Liquid, N. O. S. (contains Polyether modified polysiloxane)  
**Class:** 9  
**Packaging group:** III  
**Hazchem code:** 3Z  
**Storage and Transport:** Considered non dangerous for road and rail transport (in packaging) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref:ADG7; SP No. AU01.

### IMO-IMDG

**UN Number:** UN3082  
**Proper shipping name:** Environmentally Hazardous Substance, Liquid, N. O. S. (contains Polyether modified polysiloxane))  
**Class:** 9  
**Packaging group:** III  
**Marine pollutant:** None allocated

## SECTION 15 – REGULATORY INFORMATION

**SUSMP Classification** NOT A SCHEDULED POISON  
**Packaging & Labelling** KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

## SECTION 16 – OTHER INFORMATION

**This SDS contains only safety-related information. For other data see product literature.**

**Acronyms:**

**ADG Code** Australian Code for the Transport of Dangerous Goods by Road and Rail  
**AICS** Australian Inventory of Chemical Substances  
**CAS number** Chemical Abstracts Service Registry Number  
**Hazchem Number** Emergency action code of numbers and letters that provide information to emergency services especially firefighters  
**IARC** International Agency for Research on Cancer  
**NOHSC** National Occupational Health and Safety Commission  
**SUSMP** Standard for the Uniform Scheduling of Medicines & Poisons  
**UN Number** United Nations Number

**CONTACT POINT:**

Police and Fire Brigade: Dial 000  
**National Poisons Information Centre:** Dial **13 11 26 (from anywhere in Australia)**  
For 24 hour emergency response: Dial 0439 933 556  
Ask for Murray Goodlich