


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

<b>Product Name</b>	<b>Silken</b>
<b>Company Name</b>	Kenso Corporation (M) Sdn Bhd
<b>Address</b>	2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand
<b>Telephone</b>	0800 536 766
<b>Emergency Telephone</b>	<b>0800 CHEMCALL (0800 243 622) (24 hours)</b>
<b>National Poisons Centre</b>	<b>0800 POISON (0800 764 766) (24 hours)</b>
<b>Use</b>	For improved penetration & faster uptake of Ken-Up Aquatic 360, Ken-Up Dry 680, Ken-Met 600, Triclopyr 600 and other translocatable herbicides.

## SECTION 2 – HAZARDS IDENTIFICATION

<b>Hazard Pictograms</b>	
<b>Hazard Classification</b>	<b>6.1D, 6.4A, 6.9B, 9.1B</b>
<b>Priority Identifier</b>	<b>HARMFUL ECOTOXIC</b>
<b>Secondary Identifier</b>	<b>KEEP OUT OF REACH OF CHILDREN</b> 6.1D = Harmful if swallowed 6.4A = Irritating to eyes 6.9B = Danger of serious damage to health by prolonged exposure 9.1A = Toxic to aquatic organisms

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

<b>Ingredients</b>	<b>CAS No</b>	<b>Proportion</b>
Organomodified polydimethylsiloxane	Proprietary	100% w/v

## SECTION 4 – FIRST AID MEASURES

<b>Ingestion</b>	If swallowed, do not induce vomiting; seek medical advice immediately.
<b>Eyes</b>	Flush eyes immediately with plenty of fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. However, if irritation persists, seek immediate medical advice.
<b>Skin</b>	Remove contaminated clothing, wash skin with plenty of soap and water. See a doctor if any signs or symptoms described in this document occur. Discard contaminated non-waterproof clothing/footwear. Wash contaminated protective clothing before re-wearing.
<b>Inhalation</b>	Remove to fresh air until recovered. See a doctor if discomfort or irritation continues.
<b>Advice to Doctor</b>	Treat symptomatically.

## SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire/Explosion Hazard</b>	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.
<b>HAZCHEM Code</b>	2X
<b>IER Guide No</b>	47
<b>Extinguishing Media</b>	Water fog, foam, carbon dioxide or dry chemical.
<b>Fire Fighting Instructions</b>	Wear full protective clothing and self-contained breathing apparatus.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	For appropriate personal protective equipment (PPE), refer to section 8.
<b>Spillage</b>	Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with sand, soil or absorbent granules. If spill does enter waterways

<b>Environmental Precautions</b>	contact the local authority. Collect in an appropriate sealable container for disposal in an approved waste disposal facility. Concentrate, diluted material and washings must be prevented from entering surface water drains or waterways.
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## SECTION 7 – HANDLING AND STORAGE

<b>Storage</b>	Store in the closed, original container in a dry, well-ventilated area, as cool as possible out of direct sunlight and under lock and key. Segregate from human and animal foodstuffs, medicines and remedies, fertilisers, seeds and other Hazardous Substances Classes 1, 4, & 5. Storage must be in accordance with NZS 8409 Management of Agrichemicals.
<b>Handling</b>	Avoid contact with skin and eyes and inhalation of concentrate or spray mist. When using, do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.
<b>Certified Handler Tracking &amp; Record Keeping</b>	Not required.
<b>Additional Requirements</b>	Tracking not required. Keep records of use.
	All aspects of storage, handling, use, disposal and record keeping must be in accordance with NZS 8409:2004 'Management of Agrichemicals', and relevant local and regional council plans.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Workplace Exposure Standards</b>	Not applicable.
<b>Engineering Controls</b>	Well ventilated.
<b>Personal Protection</b>	Avoid contact with eyes and skin. Do not inhale spray mist.. Wear chemical resistant protective clothing including coveralls, boots, elbow-length PVC gloves and face shield and respiratory protection. If product contacts skin, immediately wash area with soap and water. After each use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. Wash protective clothing, gloves, face shield before reuse.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Liquid
<b>Colour</b>	Clear straw coloured
<b>Odour</b>	Moderate polyether odour
<b>Boiling point (°C)</b>	>150 °C
<b>Flammability Limits</b>	Non flammable
<b>Density (at 20°C)</b>	1.00± 0.01
<b>Miscibility</b>	Disperse in water
<b>Oxidising properties</b>	Not oxidising
<b>Explosive properties</b>	Not explosive

## SECTION 10 – STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions
<b>Incompatibility</b>	No incompatibilities reasonably foreseeable
<b>Decomposition</b>	Decomposition will not occur
<b>Polymerisation</b>	Polymerisation will not occur

## SECTION 11 – TOXICOLOGICAL INFORMATION

This section describes effects which could occur if this product is not handled in accordance with this data sheet.

<b>Acute Toxicity (Active Ingredient)</b>	Acute Oral LD <sub>50</sub> (rats) : >2000 mg/kg Acute Dermal LD <sub>50</sub> (rast) : >2000 mg/kg Acute Inhalation LC <sub>50</sub> (rats) (4hr) : >11.78 mg/l
<b>Other Information</b>	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

	<p>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.</p> <p>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.</p>
<b>Mutagenic Effects</b>	None
<b>Carcinogenic Effects</b>	None
<b>Reproductive Effects</b>	None
<b>Teratogenic (Birth) Effects</b>	None
<b>Systemic Effects</b>	None

## SECTION 12 – ECOTOXICITY INFORMATION

This section describes effects which could occur if this material is not handled in accordance with this data sheet.

The following information is presented in respect of the active ingredient:

<b>Ecotoxic Effects</b>	<b>Acute toxicity – Fish</b> LC <sub>50</sub> (96 hr) for the most sensitive species tested is 2.1 mg/l.
<b>Other information</b>	Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

## SECTION 13 – DISPOSAL CONSIDERATIONS

<b>Product</b>	Dispose of this product only by using according to the label, or at an approved waste disposal facility or other approved facility.
<b>Container</b>	Ensure the container is empty. Triple rinse empty container and add rinsate to the spray tank. Recycle empty container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Otherwise submit to a waste receiveal facility.. DO NOT reuse this container for any other purpose.

## SECTION 14 – TRANSPORT INFORMATION

<b>Dangerous Goods</b>	
<b>UN Number</b>	3082
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Organomodifiedpolydimethyl siloxane)
<b>Class</b>	9
<b>Subsidiary Class</b>	None
<b>Packaging Group</b>	III
<b>Additional Information</b>	MARINE POLLUTANT
<b>MTQ (Non-Commercial)</b>	250 L

## SECTION 15 – REGULATORY INFORMATION

<b>HSNO Approval No</b>	HSR002503
<b>ACVM Approval No</b>	Not applicable

## **SECTION 16 – OTHER INFORMATION**

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

### **Contact Points**

Police, Ambulance and Fire Service	111
National Poisons Information Centre	0800 POISON (0800 764 766)
Hazardous Substances Emergency	0800 Chemcall (0800 243 622)