

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name: Silken
Company Name: Kenso Corporation (M) Sdn Bhd
Address: Office A, 49B, Apollo Drive, Rosedale, Auckland 063 NZ
Telephone Number: (09) 410 0861
Emergency Telephone Number: (24 Hours) 0800 734 607
National Poisons & Hazchem Information Centre : 0800 POISON (0800 764 766)
Use: 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

Hazard classification: 6.1D, 6.4A, 6.9B, 9.1B
Priority Identifier: HARMFUL
ECOTOXIC
KEEP OUT OF REACH OF CHILDREN
Secondary Identifiers: 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

Ingredients	CAS number	Proportion
Organomodified polydimethylsiloxane	Proprietary	100 % w/v

SECTION 4 – FIRST AID MEASURES

Swallowed	If swallowed, do not induce vomiting; seek medical advice immediately.
Eye	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 shoes and boots. Wash contaminated clothing before re-wearing.
Skin	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, see a doctor.
Inhaled	Remove to fresh air until recovered. See a doctor if discomfort or irritation continues.

Advice to Doctor
Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard

Hazardous decomposition 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 and 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

Store in the original container, tightly closed, away from food, seeds, fertilisers and pesticides. Keep out of reach of children. After handling, remove protective clothing and equipment, wash hands before eating, drinking, chewing gum, smoking or using toilet. See product label for further handling and storage precautions.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

Not applicable

Engineering Controls:

Well ventilated

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

Form:	liquid
Colour:	clear straw coloured liquid
Odour:	moderate polyether dour
Boiling point (°C):	>150 °C
Vapour Pressure:	Not available
Flammability Limits:	Non-flammable
Specific Density:	1.00 ± 0.01
Water Solubility	Disperse in water

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Hazardous Polymerization: Hazardous polymerisation is not possible.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity – Oral LD₅₀ (rat) > 2000 mg/kg for formulated product
Acute Toxicity – Dermal LD₅₀ (rat) > 2000 mg/kg for formulated product
Acute Toxicity – Inhalation LC₅₀ (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 0.025 mg/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.

SECTION 12 – ECOLOGICAL INFORMATION

Persistence / Degradability

No readily biodegradable.

Other Precautions

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

Acute Toxicity – Fish

LC₅₀ (96 hr) for the most sensitive species tested is 2.1 mg/l.

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

UN Number (Sea Transport): 3082

IMO Proper Shipping: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Organomodified polydimethyl siloxane), Class 9, Packing Group III.

SECTION 15 – REGULATORY INFORMATION

HSNO Approval Number: HSR002503

HSNO Controls (inc. Tracking and Record Keeping):

See <http://www.epa.govt.nz> for controls.

SECTION 16 – OTHER INFORMATION

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

CONTACT POINT:

Police and Fire Service:

Dial 111

**National Poisons & Hazchem
Information Centre:**

Dial 0800 POISON (0800 764 766)