

SIRIUS

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

SIRIUS

Distributed by:
 Dudutech - A division of Flamingo Horticulture (K) Limited.
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Manufactured by:
 Orion Future Technology Ltd
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2. COMPOSITION/INFORMATION OF INGREDIENTS

Preparation contains:

Chemical Name	Concentration	CAS-No.	EC-No.	Classification
tetraethyl silicate (Tetraethyl orthosilicate)	70-80%	78-10-4	201-083-8	Flam. Liq. 3:
Polyether modified polysiloxane	1 - 10%	134180-76-0		Acute Tox. 4:
Alkyloxy polyethyleneoxyethanol	10 - 20%	68131-40-8		Acute Tox. 4:
Ethylpolysilicate	1 - 10%	11099-06-2	234-324-0	

3. HAZARDS IDENTIFICATION

- › No known hazards.

4. FIRST AID MEASURES

General Advice: If you feel unwell, seek medical advice (show the label where possible).

- › In case of inhalation, move to fresh air. Seek medical attention if irritation or symptoms persist.
- › Causes skin irritation. Prolonged contact may cause defatting of the skin.
- › In case of eye contact, Contact lenses should be removed. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
- › In case of ingestion, Drink 1 to 2 glasses of water. Seek medical attention if irritation or symptoms persist.

5. FIRE FIGHTING MEASURES

- › Flammable liquid. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- › Burning produces irritating, toxic and obnoxious fumes.
- › Wear protective clothing, eye protection and self-contained respiratory equipment.
- › In the event of a fire and/or explosion do not breathe fumes. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. ACCIDENTAL RELEASE MEASURES

Wear suitable protective equipment. Flammable liquid. Avoid sparks, flames, heat and sources of ignition.

Advise local authorities if large spills cannot be contained.

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Avoid sparks, flames, heat and sources of ignition.

7. HANDLING AND STORAGE

- › Adopt best Manual Handling considerations when handling, carrying and dispensing.
- › Flammable liquid. Avoid sparks, flames, heat and sources of ignition. Avoid storing in direct Sunlight.
- › Store in a well-ventilated place. Keep cool. Store in original container. Keep container tightly closed. Keep away from combustible material. Keep out of the reach of children..
- › Temperatures in storage and transit should be cool/ambient.
- ›
- ›

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Use appropriate personal protective equipment. Wear suitable protective clothing and eye/face protection.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure eyewash stations and safety showers are close to the workstation location.

Avoid contact with eyes. If splashes are likely to occur, wear: safety glasses with side-shields.

In case of insufficient ventilation, wear suitable respiratory equipment.

Prevent further leakage or spillage if safe to do so.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Clear
Odour	Slightly
Relative Density	0.95 - 0.96 (H ₂ O = 1 @ 20 °C)
Flash point	35 °C
Explosive properties	No data available
Bulk density	0.78g/ml
Water solubility	Miscible in water

10. STABILITY AND REACTIVITY

Product is stable and non-reactive when stored in unopened containers at cool ambient temperatures.

11. TOXICOLOGICAL INFORMATION

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

Acute toxicity - Dermal	Acute Tox. 4: H332 - Harmful if inhaled.
Skin irritation	Skin Irrit. 2: H315 - Causes skin irritation.
Eye irritation	Eye Dam. 1: H318 - Causes serious eye damage.
STOT- single exposure	STOT SE 3: H335 - May cause respiratory irritation

Information given is based on data for the formulation (unless otherwise specified). For human effects refer to section 4 on the toxic effects of the formulation.

12. ECOLOGICAL INFORMATION

Substance biodegrades at a moderate rate and inherently biodegradable according to the OECD guide lines.

13. DISPOSAL CONSIDERATION

Any unused product should be emptied in a designated waste disposal area. Empty containers and lids should be collected and returned to Dudutech for re-use. Recommendations given are considered appropriate for safe disposal. However local regulations might be more stringent and these must be complied with.

14. TRANSPORT INFORMATION

Not dangerous cargo, keep under dry and cool conditions during transit.

15. REGULATORY INFORMATION

Product label conforms to PCPB Kenya (CAP 346) requirements.

16. OTHER INFORMATION

Product is supplied in 1 litre packaging. Packaging is plastic bottle.