



SAFETY DATA SHEET

MIRACLE® SUPER

Date of Issue : 2nd Jan 2023

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Company:	G-Planter Sdn Bhd (200401005370) No. 11 A, Jalan Mahsuri, Kawasan Perindustrian Kluang 1, 86000, Kluang, Johor.	Trade Name:	Miracle® Super
		Chemical: Characterization Use:	Polyether modified trisiloxane Agriculture use

Emergency Phone: +6 07-7878488

SECTION 2 – HAZARD IDENTIFICATION

Risk advice to man and the environment

Harmful by inhalation and in contact with skin.
Irritating to skin.
Risk of serious damage to eyes.

SECTION 3 – COMPOSITION /INFORMATION ON INGREDIENTS

Hazardous components :

Components	CAS-No.	EINECS	Symbol(s):	R-phrase(s)	Concentration [%]
polyether modified trisiloxane	134180-76-0	-	Xn, N	20/21-38- 41-51/53	>= 75

SECTION 4 – FIRST AID MEASURES

General advice	: Remove contaminated clothing.
After inhalation	: Ensure supply of fresh air. In the event of symptoms take medical treatment.
After contact with skin	: In case of contact with skin wash off with soap and water. Consult a doctor if skin irritation persists.
After contact with eyes	: In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice
After ingestion	: Seek medical advice immediately.



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SECTION 5 – FIRE FIGHTING MEASURES

- Suitable extinguishing media** : Foam, carbon dioxide, dry powder, water spray.
- Extinguishing media which must not be used for safety reasons** : Not applicable.
- Special hazards from the substance itself, its combustion products or from its vapours** : In the event of fire the following can be released:
- Carbon monoxide, carbon dioxide, silicon dioxide
- Special protective equipment for firefighters** : Use self-contained breathing apparatus.
- Further information** : Collect contaminated firefighting water separately, must not be.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Use personal protective equipment.
- Environmental precautions** : Do not allow to enter drains or waterways
Do not discharge into the subsoil/soil.
- Methods for cleaning up/taking up** : Take up with absorbent material (eg sand, kieselguhr, universal. Dispose of absorbed material in accordance with the regulations.

SECTION 7 – HANDLING AND STORAGE

Handling

- Advice on safe handling** : Formation of aerosols or vapors during processing and application should be prevented.

Storage

- Further Information** : Keep container tightly closed
- German storage class** : 10



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SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal protection equipment

General protective measures	: Avoid contact with eyes and skin Do not inhale aerosols
Hygiene measures	: Do not eat, drink or smoke when working. Remove soiled or soak clothing immediately. Wash hands before breaks and after work. Use barrier skin cream.
Respiratory protection	: Keep away from foodstuffs and beverages. In case of formation of vapours/aerosols: Short term: filter apparatus, Filter A-P2
Hand protection	: PVC gloves
Eye protection	: Goggles, or face shield if necessary
Skin and body protection	: Protective clothing A protective ointment is recommended.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid
Color	: Light Yellow
Odour	: Characteristic
Melting temperature	: Not measured
Boiling temperature	: Not measured
Flash point	: 102 °C Method: DIN EN 22719 (DIN 51758)
Lower explosion limit	: Not measured
Upper explosion limit	: Not measured
Vapour pressure	: Not measured



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Density	: Approx. 1,02 g/cm ³ at 25 °C
Water solubility	: Soluble
pH	: 8 at 40 g/l water at 25 °C
Viscosity, dynamic	: Approx. 40 - 90 mPa.s at 25 °C
	Method: DIN 5301

SECTION 10 – STABILITY AND REACTIVITY

Thermal decomposition	: Not measured
Hazardous reactions	: No hazardous reactions with proper storage and handling.

SECTION 11 – TOXICOLOGY INFORMATION

Acute oral toxicity	: LD50 Species: rat Dose: 3.200 mg/kg
Acute inhalation toxicity	: LC50 aero. Species: rat Dose: 1,08 mg/l Exposure time: 4 h Method: OECD 403 Source: Untersuchungsbericht/Th. Goldschmidt AG
Acute dermal toxicity	: LD50 Species: rabbit Dose: 1.550 mg/kg LD50 Species: rat Dose: > 2.000 mg/kg
Skin irritation	: Species: rabbit slightly irritant
Eye irritation	: Species: rabbit strongly irritant
Sensitization	: Species: Guinea pig non-sensitizing
Note	: Harmful by inhalation and in contact with skin.



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Irritant to skin
 Risk of serious damage to eyes
 The toxicological data refer to the undiluted 100 % product.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish : LC50 Species: rainbow trout
 Toxicity to daphniae : EC50 Species: *Daphnia magna*
 Toxicity to algae : EC50 Species:
Scenedesmus subspicatus
 Dose: 28,2 mg/l refer to biomass
 EC50 Species: *Scenedesmus subspicatus*
 Dose: 152,2 mg/l growth rate

Further ecological information Note

: The product is considered to be a water pollutant (German law). Do not discharge product unmonitored into the environment. The ecotoxicological data refer to the undiluted 100 % product. The product does not cause essential disturbances of ecological processes and equilibriums, when used in the recommended concentrations and ways of applications.

SECTION 13 – DISPOSAL CONSIDERATIONS

Product : In accordance with local authority regulations, take to special waste incineration plant
 Contaminated packaging : If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.



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SECTION 14 – TRANSPORT INFORMATION

Land transport

ADR:

Class : 9
 Packaging group : III
 Orange plate : Hazard no.: 90
 Substance number: 3082

Description of the goods : 3082 ENVIRONMENTALLY HAZARDOUS
 SUBSTANCE,
 LIQUID, N.O.S.

Hazard release : Polyethersiloxane
 Label : 9 miscellaneous substances and articles

RID:

Class : 9
 Packaging group : III
 Orange plate : Hazard no.: 90
 Substance number: 3082

Description of the goods : 3082 ENVIRONMENTALLY HAZARDOUS
 SUBSTANCE,
 LIQUID, N.O.S.

Hazard release : Polyethersiloxane
 Label : 9 miscellaneous substances and articles

Inland waterway transport

ADNR:

Class : 9
 Item : M6

Description of the goods : 3082 ENVIRONMENTALLY HAZARDOUS
 SUBSTANCE,

Hazard release : Polyethersiloxane
 Label : 9 miscellaneous dangerous goods



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Sea transport

IMDG:	:	9
Class	:	III UN-No: 3082
Packaging group	:	F-A S-F
EmS	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Correct technical name	:	Polyethersiloxane
Hazard release	:	9 miscellaneous dangerous goods SUBSTANCE,
Label	:	

Air transport

ICAO/IATA:	:	9
Class	:	III UN-No: 3082
Packaging group	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Correct technical name	:	Polyethersiloxane
Hazard release	:	9 Miscellaneous dangerous goods
Label	:	

SECTION 15 – REGULATORY INFORMATION

Labelling in accordance with GefStoffV/EC	:	The product is classified and labeled in accordance with EC directives/German regulations on dangerous substances.
Hazard symbol(s)	:	  Xn N
S-phrases(s)	:	24 Avoid contact with skin. 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 36/37/39 Wear suitable protective clothing, gloves and eye/face protection. 51 Use only in well-ventilated areas. 61 Avoid release to the environment. Refer to special
National legislation	:	
Risk classification according to German VbF	:	German regulations on flammable substances: is not subjected to the regulations on flammable substances.



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TA Luft (Germany)

: Class: Paragraph 5.2.5 (no class)

SECTION 16 – OTHER INFORMATION

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

-End of SDS-