



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND COMPANY IDENTIFICATION

Product Name: Magisol 300
Sample Code: 2130
Description: White odourless liquid

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Version Number:	Approved by:	Name: Suthan Nadarajah
1		Position: Quality & Regulatory Manager
		Date: 07/01/2020

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2. HAZARDS IDENTIFICATION

Hazard Classification: Classification according to Regulation (EC) No 1272/2008. The substance is not classified according to the CLP regulation.

Risk Phrase(s):

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection

P232 Protect from moisture

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P374 Fight fire with normal precautions from a reasonable distance

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization: Aqueous, colloidal, slightly alkaline silicic acid dispersion.

Ingredients:

<u>Name</u>	<u>CAS</u>	<u>EINECS#</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>	<u>% W/W</u>
Amorphous silicic acid	7631-86-9	231-545-4	-	-	25 - 50
Water	7732-18-5	231-791-2	-	-	44.5 – 73.5

4. FIRST AID MEASURES

Inhalation: Remove from source of exposure. If symptoms of irritation or respiratory allergy occur, seek medical attention. Provide symptomatic care as necessary.

Ingestion: May be harmful if swallowed. Obtain medical attention is needed.

Skin: Wash with soap and water. Seek medical attention if irritation develops or persists.

Eye: Flush with copious amounts of water for 15 minutes. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic care as necessary.

First Aid Facilities: Eye wash, deluge shower and normal wash room facilities.

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5. FIRE-FIGHTING MEASURES

Special Fire Fighting Procedures:	No restrictions in fire situations.
Auto-Ignition Temperature:	NA
Flammable Limits in Air:	NA
Unusual Fire and Explosion Hazards:	NA
Stability	NA

6. ACCIDENTAL RELEASE MEASURES

General Information:

Spills/Leaks: Rinse off small quantities with plenty of water.

7. HANDLING AND STORAGE

Handling:	No special measures required.
Storage:	Protect from frost. Explosion protection not required.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:

Personal Protective Equipment: Goggles. When handling observe the usual precautionary measures for chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Colour:	Opalescent turbid
Odor:	Odourless
pH:	9 – 10 at 20°C (original solution)
Vapor Pressure;	Approximately 20 mbar at 20°C
Viscosity:	< 20 mPa.s at 20°C
Boiling Point:	Approximately 100°C at 1013 mbar
Freezing Point:	Approximately 0°C
Autoignition Temperature:	NA
Flash Point:	NA
Density:	1.09 – 1.35g/cm ³ at 20°C

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10. STABILITY AND REACTIVITY

Chemical Stability: Not applicable. No hazardous decomposition products observed
Conditions to Avoid: NA

11. TOXICOLOGICAL INFORMATION

Toxicology Information:

Acute toxicity:

LD/LC50 values relevant for classification:

7631-86-9 silicon dioxide, chemically prepared

Oral LD50 >10000 mg/kg (rat)

Dermal LD50 >5000 mg/kg (rabbit)

Inhalative LC50/4h >2080 mg/m³ (rat)

Primary irritant effect:

On the skin: Repeated exposure may cause skin dryness or cracking.

On the eye: No irritating effect.

Sensitization: No sensitizing effects known:

Additional toxicological information:

When used and handled according to specifications, the product does not have harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

Repeated dose toxicity

Oral NOAEL 4500 mg/(kg bw d) (mice) (OECD 452/453)

2000 mg/(kg bw d) (rat) (OECD 452/453)

NOEL 8000 mg/(kg d) (rat) (OECD 408)

Inhalative LOAEC 25,1 mg/m³ (rat) (OECD 412 (5 d))

NOAEC 5,13 mg/m³ (rat) (OECD 412 (5 d))

NOAEL 1 mg/m³ (hum)

NOEC 0,94 mg/m³ (rat) (OECD 412 (5 d))

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity:

EL0/24h 1000 mg/L (daphnia)

EL50/24h >10000 mg/L (daphnia)

EL50/72h >10000 mg/L (scenedesmus subspicatus)

LL0/96h 10000 mg/L (brachydanio rerio)

PNEC aqua n.a. mg / L (-)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

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General notes: Generally not hazardous for water

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Disposal should be made in accordance with federal, state and local regulations

14. TRANSPORT INFORMATION

Transport Information: Not dangerous cargo. Avoid temperatures below +5°C
U.N. Number: NA
Proper Shipping Name: NA
DG Class: NA
Hazchem Code: NA
Packaging Method: NA
Packing Group: NA
EPG Number: NA
IERG Number: NA

15. REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations/legislations specific for the substances of mixture
 Labelling according to Regulation (EC) No 1272/2008 Void**

Hazard pictograms Void

Signal word Void

Hazard statements Void

Precautionary statements

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15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out

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