



Specialty Agro-Input Products

CropSIL

MATERIAL SAFETY DATA SHEET

Date Issued: 01.04.12.

1. IDENTIFICATION OF THE PREPARATION	
Product Name	CROPSIL
Application	Used as Plant Immunity & Yield Booster for enhancing productivity & quality of crops
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2. COMPOSITION OF INGREDIENTS	
Contents	O-Silicic Acid
CAS-Nr. Designation	1343-98-2
Description	Mixture of monomeric silica additives & stabilizers
Chemical Formula	H ₂ SiO ₃
Molecular Weight (MW)	78
HS Code	2839110000

3. HAZARD IDENTIFICATION
<p>Contact with Eyes: May cause irritation.</p> <p>Contact with Skin: None.</p> <p>Ecological Hazards: Bacteriostatic in nature. Inhibits both gram+ve and gram -ve bacteria</p>

4. FIRST AID MEASURES
<p>General information: Bring affected persons out of danger area. Observe self-protection (body protection, eye protection, respiratory protection).</p> <p>After skin contact: On skin contact, rinse thoroughly with water. Remove contaminated or saturated clothing</p>

immediately. If irritation persists, supply with medical care immediately. Keep warm in a comfortable position and cover with blanket.

After eye contact: With eye held open, thoroughly rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses if easily possible. Seek medical attention if needed.

After swallowing: Have patient rinse out mouth with water. Drink plenty of salt water. Induce vomiting. Consult doctor immediately.

5. FIRE FIGHTING MEASURES

- Does not contain any flammable substance, therefore, no special fire fighting measures need to be followed.
- Wear full protective clothing including chemical protection suit.
- Prevent run-off water from entering drains.
- If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities.

6. ACCIDENTAL RELEASE MEASURES

Experience on Humans

Effect on Skin: None

Effect on eyes: May cause irritation. Wash with plenty of water.

Effect on ingestion: Give stomach wash, if ingested

7. HANDLING AND STORAGE

HANDLING: Information for safe handling

Special care is required for handling of the product to prevent contamination. Protect from impurities. Never return spilt product to original container.

STORAGE CONDITION: Requirement to be met by storerooms and containers: Only use polyethylene material (HDPE) bottles/containers thoroughly covered with lid. Always close container tightly after removal of product.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

General Protective and hygienic measures

Protection of hands: Wear protective gloves made of PVC, neoprene or natural rubber.

Eye protection: Wear safety goggles.

Body protection: Change work clothes immediately if spilled with the product.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical Properties	
Form	Liquid
Colour	Light Yellow – Light Brown
Gardener Scale Value	7 – 9
Odor	Ammonical
Chemical Properties	

Base	Mixture of monomeric silica additives & stabilizers
Specific Gravity	1.10 – 1.20 kg/l
pH	13 – 14
Viscosity (Ford Cup No.4)	15 sec ± 5 sec
Flash Point	Not applicable as it is a water-based product
Solubility	Completely miscible in water in all proportions
Stability	Stability at ambient temperature under normal conditions of use

10. STABILITY AND REACTIVITY

- Stable at Room Temperature
- It is not affected by atmospheric oxygen
- **Conditions to be avoided:** None
- **Substances to be avoided:** None
- **Reactivity:** The product is inert to most acids.
- **Solubility:** It is soluble in water in all proportions

11. TOXICOLOGICAL INFORMATION

Chronic Toxicity has not been demonstrated by **SILICIC ACID**

Silicic Acid is not listed as a carcinogen by MAK, IARC, NTP, OSHA, and ACGIH.

Carcinogenicity: No evidence of carcinogenic effects

Teratogenicity: No evidence of teratogenic effects

Mutagenicity: No evidence of mutagenic effects

The LD50 value (Oral: Rat & Mice) is 2000 mg/kg body weight.

12. ECOLOGICAL INFORMATION

Eco-toxicity: None

Mobility: Soluble in water in all proportions

Persistence and Biodegradability: None

Risk of bioaccumulation: None

Other adverse effects: None

13. DISPOSAL CONSIDERATIONS

Recommendation: Product

Cannot be disposed off in the environment. Local legal regulations and permission by the responsible local legal authority are required for safe disposal of the product. Please comply with them.

Unclean packaging:

Rinse empty containers with water prior to disposal. Take decontaminated packaging to local recycling centre

14. TRANSPORT INFORMATION

Product is safe for transport by Roadways, Airways or Waterways. No special precautions need to be taken for the product with adequate packing in plastic bottles/containers – as mentioned in Section 7.

15. REGULATORY INFORMATION

Labeling of substances in line with EC Directive 67/546/EEC and amendment.

Risk phrases: None

Safety phrases:

S2 - Keep out of reach of children

S7 - Keep container tightly closed

S25 - Avoid contact with eyes

S28 - After contact with skin, wash immediately with plenty of water

S36/37/39 - Wear suitable protective clothing, gloves, eye/face protection

S45/46 - If swallowed or in case of accident or if you feel unwell, seek medical advice immediately (show the label if possible)

16. OTHER INFORMATION

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