

1: IDENTIFICATION

Chemical Name	Sulphur, Zinc	Trade Name	SELZIC® SELZIC
Synonyms	Sulphur 65%, Zinc 18%	Molecular Formula	S or S ₈ & Zn
Uses	Crop Nutrition		
Manufacturer/ Supplier	Ulink AgriTech Pvt. Ltd. Office Nos. 001 And 002, Ground Floor Wing "A" And Nos. 003 And 004 Ground Floor Wing "B", Nyati Tech Park, Wadgaon Sheri, Pune - 411014, Maharashtra		
Emergency Contact	9503095030	E-mail	info@agrostar.in

2: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Name	CAS #	Percent or Content (w/w)
Sulphur	7704-34-9	65.00%
Zinc	314-13-2	18.00%
Other Inert Ingredient	-	17.00%

3: HAZARD IDENTIFICATION

Human Health Hazard:	Skin contact:	Frequent or prolonged contact may irritate the skin
	Eye contact:	Sulphur dust is capable of irritating the inner surfaces of the eyelids
	Ingestion:	Minimal toxicity irritates to mouth, throat and stomach. May cause digestive tract disorder/damage
	Inhalation:	Sulphur dust may irritate the mucous membranes of the respiratory passage
	Carcinogenicity:	None
	Chronic Effects:	Unusual chronic toxicity N/A
	NFPA rating:	Not established

4: FIRST AID MEASURES

General: Have the product container, label or safety data sheet while seeking medical attention, a poison control center or physician, or going for treatment.

Inhalation: Move patients to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing is difficult, treat with artificial respiration and oxygen. Immediately seek medical attention if symptoms are severe or persist

Ingestion: Rinse mouth with water thoroughly and give plenty of water to drink. If swallowed, induce vomiting only if victim is conscious. Seek medical attention or poison control center immediately and show this container or label.

Skin Contact: In case of contact with product, remove contaminated clothes and wash exposed skin area with plenty of water and soap immediately. Seek medical attention if irritation persists.

Eye Contact: Rinse immediately with plenty of water for several minutes. After 5 minutes remove contact lenses if present and continue rinsing with plenty of water. Continue to rinse with eyelid wide open for at least 15-20 minutes. Seek medical attention if irritation develops.

Note to Physician: No specific Antidote. Treat symptomatically.

5: FIRE FIGHTING MEASURES

Flash Point [°C]: Liquid -190 (dust cloud), 220 (Non-dispersed dust) **Flash Point Method:** Closed cup

Auto Ignition Temp. [°C]: Dust cloud 190 ; L E L: 35gm/m³ ; U E L: 1400 gm/m³

Flammability Classify: Condition to avoid heat, sparks, open flame, static electricity source should be avoided.

Extinguishing Media: Water spray or fog, alcohol-resistant foam, dry chemical powder

Specific Hazards: Dust suspended in air is readily ignited by flame, static electricity of friction spark. Every reasonable step to minimize the formation of dust. Sparkles electrical equipment is recommended handling equipment must be grounded or bonded to avoid static electricity. Keep away from sources of flame or sparks.

Hazardous Thermal (de)composition: The decomposition products are toxic fumes such as oxides of sulphur

Special Procedures: Cool containing vessels with flooding quantities of water until well after fire is out. Collect extinguishing water separately and do not discharge into the drain or water bodies. If risk of water pollution occurs, notify appropriate authorities. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Protection of Fire Fighters: Do not breathe a fumes, if possible, by approaching the upwind side. Wear fire/flame resistant/retardant clothing. Use breathing apparatus or gas masks approved for use in acid-gas atmosphere. A self-contained breathing apparatus should be used to avoid inhalation of toxic fumes. Evacuate area and fight fire from a safe distance

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing. Use personal protective equipment. Evacuate personnel to safe areas.

Environmental Precaution: Do not allow runoff to enter drains and public waters. Notify the authorities if product enters.

Methods for Cleaning-up: For small spill, recover and recycle if possible. Use appropriate tools to put the spilled material in a convenient container for disposal. For landfill disposal, mix with limestone 3 times the weight of Sulphur. Ensure disposal complies with local regulations.

7: HANDLING & STORAGE

Handling: Avoid breathing dust. Do not smoke, drink, or eat during handling. Wash hands and other exposed areas with mild soap and water before and after handling material. Wear protective equipments to avoid contact and/or inhalation with the product. Wash clothing and equipment before reuse. Good personal hygiene procedures must be practiced.

Specific Conditions: Good local exhaust ventilation. Keep away from sources of ignition and incompatible material such as combustible materials. Take precautions against electrostatic discharges

Storage: Store in dry, cool, well-ventilated area. Keep in original container and tightly closed when not in use. Keep product away from children, seeds, fertilizer, foods and animal feeds. Solid becomes corrosive to metals when stored wet. Sulphur/bentonite fertilizer will physically break down when exposed to moisture or water

8: EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures: Ensure adequate ventilation if dusty conditions prevail. Handle in accordance with good industrial hygiene and safety practice.

General Protection: Avoid breathing dust, vapours or aerosols. Avoid contact with eyes and skin. While handling the product wear cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves. 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 and contaminated clothing.

Personal Protection: Follow all precautions and instructions on the label. In all other cases the following recommendations would apply.

Respiratory Protection: Dust type respirators shall be used for dusty conditions. Breathing apparatus must be available for emergency use in case of fire.

Skin Protection: Wear suitable protective clothing, including long sleeved shirt, long pants, gloves, coveralls, and boots to avoid skin contact.

Hand Protection: Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC) or Viton.

Eye Protection: Safety goggles, chemical splash goggles or face shield should be used. Safety showers and eyewash should be easily available.

Others: Wash clothing before reusing.

9: PHYSICAL/CHEMICAL PROPERTIES

Appearance: Granules	Physical State: Solid	Boiling Point [°C]: 444	Solubility in Water: Insoluble
Colour: Slightly greenish	Density[g/ml]: 5.6	Melting Point [°C]: 119	

10: STABILITY & REACTIVITY

Stability: Unstable **Condition to Avoid:** Moisture

Hazardous Decomp. Products: Thermal decomposition may result to flammable and release of SO₂

Materials to Avoid: Reducing agents, combustible materials, metals, acids, alkalis.

11: TOXICOLOGICAL INFORMATION

TLV: 10 mg/m³

Acute Inhalation Effects: May cause irritation to mucous membrane of respiratory tract.

12: ECOLOGICAL INFORMATION

Environment Toxicity: No information found.

13: DISPOSAL CONSIDERATION

Waste-disposal Procedures: Recycle to process, if possible. Recover and place material in a suitable container for intended use or disposal. Ensure disposal complies with government requirements and local regulations.

Contaminated Packaging: Contaminated packaging should be emptied as far as possible and disposed of in accordance with official regulations after being thoroughly cleaned.

14: TRANSPORT INFORMATION

UN No. - **Proper Shipping Name:** -

Land Transport (ADR/RID)/ Sea Transport (IMO/IMDG)/ Air Transport (IATA/ICAO): Not classified as a dangerous good under transport regulations

15: REGULATORY INFORMATION

Strong Oxidizer

16: OTHER INFORMATION

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