

Safety Data Sheet



1. Identification

Product Information: 85053720
Family: 521
Product Name: ZINC TECH AQ SILICATE PRIMER
Recommended Use: Additive
Supplied by/Manufacturer: SUR QUIMICA S.A.
 Calle 38, contiguo al Cementerio La Uruca.
 San José, Costa Rica, Centroamérica
 Tel Información: (506) 2211-3700,
 Fax: (506) 2256-0690
Emergency Telephone: CHEMTREC: 1-800-424-9300 INTERNATIONAL: (506)
 2211-3911
Safety Data Sheet Coordinator: sds@gruposur.com

2. Hazards Identification

GHS Classification

Acute Tox. 5, Aquatic Acute 2, Aquatic Chronic 1

Symbol(s) of Product



Signal Word

Warning

GHS HAZARD STATEMENTS

Acute Toxicity, Oral, category 5	H303	May be harmful if swallowed.
Hazardous to the aquatic environment, Acute, category 2	H401	Toxic to aquatic life.
Hazardous to the aquatic environment, Chronic, category 1	H410	Very toxic to aquatic life with long lasting effects.

GHS LABEL PRECAUTIONARY STATEMENTS

P273	Avoid release to the environment.
P391	Collect spillage.
P501	Remove the contents / container according to the General Regulation for the Classification and Management of Hazardous Waste No. 41527-S-MINAE (Applies to Costa Rica). Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Zinc Dust	7440-66-6	90-100	GHS09	H303-401-410

Zinc Oxide

1314-13-2

2.5-10

GHS06-GHS09

H313-331-400-410

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

4. First-aid Measures



FIRST AID - INHALATION: Artificial respiration and/or oxygen may be necessary. Keep the victim calm. Ensure that medical personnel are aware of the materials involved and take precautions to protect themselves. Oxygen or artificial respiration if needed. If inhaled, remove to fresh air. Give oxygen if necessary. Consult a physician if symptoms persist or exposure is severe.

FIRST AID - SKIN CONTACT: Seek medical advice. In case of skin contact, wash immediately with plenty of water for at least 20 minutes. In case of contact, wash skin immediately with soap and water. In case of burns, immediately wash skin with cold water. Seek medical advice. Do not remove clothes stick to the skin. Seek medical advice.

FIRST AID - EYE CONTACT: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

FIRST AID - INGESTION: If ingested, do not induce vomiting. If conscious, drink 8-10 oz. of water promptly. Call a physician immediately.

5. Fire-fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not flammable. No special fire-fighting procedures are required.

SPECIAL FIREFIGHTING PROCEDURES: Not combustible. Non-combustible substances do not ignite on their own.

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, Water Fog

6. Accidental Release Measures

ENVIRONMENTAL MEASURES: Do not allow to enter drains, sewers, or sewers. Inform the authorities in the event of a leak in natural water courses or in the sewage system.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Do not touch or walk through spilled material. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area.

7. Handling and Storage



HANDLING: Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children.

STORAGE: Keep in a dry, cool and well-ventilated place. Once used, the container should be closed and keep in a well ventilated area and in vertical position to prevent losses. Keep containers closed when not in use.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Zinc Dust	5 mg/m ³	N.E.	5 mg/m ³	N.E.
Zinc Oxide	N.E.	N.E.	N.E.	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation Sk = Skin Sensitizer N.E. = Not Established

Personal Protection

RESPIRATORY PROTECTION: Respirator use is not expected to be necessary under normal conditions of handling. In emergency situations, use of a NIOSH-approved respirator may be required.



SKIN PROTECTION: Rubber or plastic gloves.



EYE PROTECTION: Safety glasses with side-shields to prevent possible splashing of the product.



OTHER PROTECTIVE EQUIPMENT: When required, according to the concentration of the product, wear chemical protective clothing with limited thermal protection.



HYGIENIC PRACTICES: Wash hands and face before breaks and immediately after handling the product. Contaminated clothing should be changed and washed before reuse. Eating, drinking and smoking in immediate work area should be prohibited.

9. Physical and Chemical Properties

Appearance:	Polvo	Physical State:	Solid
Odor:	Without smell	Odor Threshold, ppb:	No Information
Density, g/ml:	7.100	pH:	N.A.
Freeze Point, °C:	No Information	Viscosity, cP:	No Information
Solubility in Water:	No	Partition Coefficient, n-octanol/ water:	No Information
Decomposition temperature, °C	No Information		
Boiling Range, °C:	0 - 0	Explosive Limits, %:	0.0 - 0.0
Combustibility:	Sin Información	Flash Point, °C:	Not Determined
Evaporation Rate:	No Information	Auto-Ignition Temperature, °C	No Information
Vapor Density:		Vapor Pressure, mmHg:	No Information

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: None, the product is considered inert.

INCOMPATIBILITY: Oxidizing agents, strong acids and strong bases. Keep away from strong oxidizing agents, heat and open flames.

HAZARDOUS DECOMPOSITION PRODUCTS: To avoid thermal decomposition, do not overheat.

11. Toxicological Information**Practical Experiences****INFORMATION ON TOXICOLOGICAL EFFECTS**

Acute Toxicity: No Information

Skin corrosion/irritation: No Information

Serious eye damage/eye irritation: No Information

Respiratory or skin sensitisation: No Information

Germ cell mutagenicity: No Information**Carcinogenicity:** No Information**Reproductive toxicity:** No Information**Specific target organ toxicity - single exposure:** No Information**Specific target organ toxicity - repeated exposure:** No Information**Aspiration hazard:** No Information**Acute Toxicity Values**

The acute effects of this product have not been tested. Data on individual components are tabulated below

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50 (mg/kg)</u>	<u>Vapor LC50</u>
7440-66-6	Zinc Dust	>2000	>5000	>20
1314-13-2	Zinc Oxide	>5000	>2000	>5.7

N.I. = No Information

Toxicidad Dermal del producto: 40,000.02 mg/kg**12. Ecological Information****Toxicity:** No Information**Persistence and Degradability:** No Information**Bioaccumulative potential:** No Information**Mobility in the soil:** No Information**Other adverse effects:** No Information**13. Disposal Information****DISPOSAL METHOD:** Prevent entry into waterways, sewers, basements or confined areas.**14. Transport Information****SPECIAL TRANSPORT PRECAUTIONS:** No Information**Sea Transport**

UN Number:	3077
IMDG/GGVSee Class:	9
Packing Group:	III
Shipping Name:	Sustancia Sólida Peligrosa para el Medio Ambiente, N.E.P.
Marine Pollutant:	No
Shipping Hazard(Marine Pollutant):	No Information

Air Transport

UN Number:	3077
ICAO/IATA Class:	9
Packing Group:	III
Shipping Name:	Sustancia Sólida Peligrosa para el Medio Ambiente, N.E.P.

15. Regulatory Information

No information available

16. Other Information

Revision Date: 4/9/2025 Supersedes Date: New MSDS
Reason for revision: No Information
Datasheet produced by: SUR Química S.A.

Hazardous Material Information System: HMIS

Health	1	Flammability	0	Reactivity	0	Personal Protection	E	Chronic Hazard	No	Target Organ	N/A
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National Fire Protection Association: NFPA

Flammability	0	Health	1	Reactivity	0	Special Hazards	N/A
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Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H303 May be harmful if swallowed.
H313 May be harmful in contact with skin.
H331 Toxic if inhaled.
H400 Very toxic to aquatic life.
H401 Toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

GHS06



GHS09



Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained in this safety sheet has been prepared for SUR QUIMICA S.A. based on the data provided by suppliers and manufacturers of the raw materials involved. This document is intended to be a guide for safe use according to use. The user receiving this information must be properly trained and be able to use his independent judgment to determine its applicability in particular uses. This safety data sheet (SDS) does not in any way exempt the user from knowing and complying with the good practices and rules of use applicable to their activity. The user must assume full responsibility to know and take precautions related to the use of the product. The exposure scenario is subject to revision and changes. The user must ensure that they have the latest version of the FDS. The updated versions are available on the website www.gruposur.com