

SAFETY DATA SHEET

ZINC 700

SDS # : 50001138
Revision date: 27-04-2021
Version 2
Format: BR



Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name ZINC 700

Other means of identification

Product Code(s) 50001138, NP-0053-CR-A

Synonyms No information available

Recommended use of the chemical and restrictions on use

Recommended Use: A fertilizer with micronutrients for use in agriculture and horticulture.

Restrictions on Use: Use as recommended by the label.

Details of the supplier of the safety data sheet

Supplier FMC Agro Limited
Rectors Lane
Pentre
Flintshire
CH5 2DH
United Kingdom
Tel: + 44 1244 537370
E-mail: fmc.agro.uk@fmc.com

Emergency telephone number

1 703 / 741-5970 (CHEMTREC - International)
911

Guatemala - Center of Toxicological Information and Assistance - (502) 2251-3560 / 2232-0735 El Salvador

- Rosales National Hospital - (503) 2231-9262

Honduras - Hospital School - (504) 232-6105

Nicaragua - National Center of Toxicology - (505) 2289-4700 ext. 1294 cel. 8755-0983

Costa Rica - National Center of Poisoning - (506) 2223-1028

Panama Center of Research and Information on Medications and Toxicology (507) 523-4948

Section 2: HAZARDS IDENTIFICATION

GHS Classification

General Hazards

This material is considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Oral	Category 5
Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 1

GHS Label elements, including precautionary statements

**Signal Word**

Warning

Hazard Statements

H303 - May be harmful if swallowed

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

Precautionary Statements - Prevention

P273 - Avoid release to the environment

Precautionary Statements - Response

P312 - Call a POISON CENTER or doctor if you feel unwell

P391 - Collect spillage

Disposal

P501 - Dispose of contents/container according to label directions

Other Information

NOTE

* Contains 1,2-Benzisothiazolin-3-one (CAS number 2634-33-5) at a level below the concentration limit for classification of the mixture as sensitizing.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/preparation

Mixture

Chemical name	CAS-No	Weight %
Zinc oxide	1314-13-2	45-55
Ethylene glycol	107-21-1	1-5
Sodium acrylate	7446-81-3	1-5
1,2 benzisothiazolin-3-one	2634-33-5	<0.1

Section 4: FIRST AID MEASURES**FIRST AID MEASURES****General Advice**

Do not induce vomiting or give anything by mouth to an unconscious person. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Inhalation

Move to fresh air. If symptoms persist, call a physician.

Skin Contact

Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

Eye Contact

Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. If symptoms persist, call a physician.

Ingestion

Clean mouth with water. Do NOT induce vomiting. If symptoms persist, call a physician.

Protection of first-aiders

Avoid contact by using personal protective equipment. See Section 8 for more detail.

Most important symptoms and effects, both acute and delayed**Most important symptoms and effects, both acute and delayed**

May be harmful if swallowed. May cause slight transient irritation at point of contact. May cause irritation of respiratory tract.

Indication of any immediate medical attention and special treatment needed**Indication of immediate medical attention and special treatment needed, if necessary**

Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing agent suitable for type of surrounding fire. Cool containers / tanks with water spray.

Unsuitable extinguishing media

No information available.

Specific extinguishing methods

Evacuate area and fight fire from a safe distance.

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

Specific Hazards Arising from the Chemical

Toxic fumes may be released in fire situations.

Hazardous Combustion Products

Carbon oxides (COx). Nitrogen oxides (NOx).

Explosive properties

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

Section 6: ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

For personal protection see section 8. Avoid contact with the skin and the eyes. Stop leak if you can do it without risk.

Other

For further clean-up instructions, call Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

For emergency responders

Use personal protection recommended in Section 8.

Environmental Precautions**Environmental Precautions**

Do not discharge into drains or rivers. Contain the spillage using bunding. Accidental release into water courses must be alerted to the appropriate regulatory body.

Methods and material for containment and cleaning up**Methods for Containment**

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Clean contaminated surface thoroughly with excess of water. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Dispose of waste as indicated in Section 13.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling

Handling	Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Refer to Section 8.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage	Protect from freezing. Store above 5°C. Store in a well-ventilated place. Keep cool. Keep away from direct sunlight. Keep away from heat. Keep out of reach of children and animals. Keep away from food, drink and animal feedingstuffs.
Incompatible products	Strong oxidizing agents. Strong acids.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical name	Brazil	Chile	Argentina	Venezuela	ACGIH TLV
Ethylene glycol 107-21-1		Ceiling: 40 ppm Ceiling: 100 mg/m ³	Ceiling: 100 mg/m ³	STEL: 100 mg/m ³ Skin	STEL 50 ppm STEL 10 mg/m ³ TWA: 25 ppm
Zinc oxide 1314-13-2		TWA: 4.4 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³ TWA: 10 mg/m ³ STEL: 10 mg/m ³	TWA: 2 mg/m ³ TWA: 10 mg/m ³ STEL: 10 mg/m ³	STEL 10 mg/m ³ TWA: 2 mg/m ³

Appropriate engineering controls

Engineering measures	Ensure adequate ventilation, especially in confined areas.
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety glasses. Maintain eye wash fountain and quick-drench facilities in work area.
Skin and Body Protection	Wear long-sleeved shirt, long pants, socks, and shoes.
Hand Protection	Protective gloves
Respiratory Protection	Not required under normal use.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product.
General information	If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Liquid suspension
Odor	Barely perceptible
Color	White
Odor threshold	No information available
pH	8.5-10.5
Melting point/freezing point	No information available
Boiling Point/Range	No information available
Flash point	No information available
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	

Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative Density	1.71-1.75 @ 20 C
Water solubility	Dispersible in water
Solubility in other solvents	No information available
Surface tension:	No data available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Viscosity, dynamic	No information available
Explosive properties	No information available
Corrosivity	not corrosive
Oxidizing properties	Non-oxidizing
Softening point	No information available
VOC content (%)	No information available
Relative density	No information available
Bulk density	No information available

Section 10: STABILITY AND REACTIVITY

Reactivity

Stable under recommended storage conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Decomposition can occur on exposure to heat or moisture.

Conditions to avoid

Excessive heat.

Incompatible materials

Strong oxidizing agents. Strong acids.

Hazardous Decomposition Products

May emit toxic fumes under fire conditions. Carbon oxides (COx). Nitrogen oxides (NOx).

Section 11: TOXICOLOGICAL INFORMATION

Product Information

LD50 Oral 3618 mg/kg (Calculated Estimated Acute Toxicity - EAT)

Information on likely routes of exposure

Inhalation	May cause irritation of respiratory tract.
Eye Contact	May cause slight irritation.
Skin Contact	May cause slight irritation.
Ingestion	May be harmful if swallowed.

Information on toxicological effects

Symptoms May be harmful if swallowed. May cause slight transient irritation at point of contact. May cause irritation of respiratory tract.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
Mutagenicity	No information available.
Carcinogenicity	No information available.

Reproductive toxicity	No information available
Developmental toxicity	No information available.
Target organ effects	No information available.

Neurological effects No information available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Persistence and degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal of residues / unused products Transfer unused product to a suitable container and arrange for collection by a licensed disposal company. Washings or unused product must be sent to a water treatment facility. Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated Packaging Do not reuse this container for any other purpose. Dispose of in accordance with local regulations.

Section 14: TRANSPORT INFORMATION

IMDG/IMO: NOT REGULATED

ICAO: NOT REGULATED

ICAO/IATA: NOT REGULATED

MEX: NOT REGULATED

Section 15: REGULATORY INFORMATION

This safety data sheet has been prepared according to Costa Rican legislation RTCR 481:2015 and RTCR 478:2015.

Chemical name	TSCA (United States)	DSL (Canada)	EINECS/ELI NCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Zinc oxide 1314-13-2	X	X	X	X	X	X	X	X
Ethylene glycol 107-21-1	X	X	X	X	X	X	X	X
Sodium acrylate 7446-81-3	X	X	X	X	X	X	X	X
1,2	X	X	X	X	X	X	X	X

benzisothiazolin-3-one 2634-33-5								
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Section 16: OTHER INFORMATION

Prepared By: FMC Corporation
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Revision note Product code, Chemtrec number

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