

SAFETY DATA SHEET

VERCAL

SDS # : 50001161

Revision date:

27-04-2021

Version 2

Format: BR



Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name VERCAL

Other means of identification

Product Code(s) 50001161, NP-0081-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

Address: 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; 800-INTOXICA

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

Dominican Republic - Drug Information and Poisoning Center - (809) 562-6601 Ext. 1801

Section 2: HAZARDS IDENTIFICATION

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

Serious eye damage/eye irritation

Category 2

Signal Word:: **Warning****Hazard Statements**

H319 - Causes serious eye irritation

Precautionary Statements**Precautionary Statements - Prevention**

P264 - Wash face, hands and any exposed skin thoroughly after handling

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

IF IN EYES

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/ attention

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/preparation

Mixture

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. Bring the SDS, product label and package insert when seeking medical assistance.

Eye Contact

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

Skin Contact

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

Inhalation

Remove person to fresh air. If signs/symptoms continue, get medical attention.

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**

Prolonged contact may cause slight skin irritation with local redness. Causes serious eye irritation. Ingestion may cause irritation to mucous membranes. May cause irritation of respiratory tract.

Indication of any immediate medical attention and special treatment needed**Indication of immediate medical**

Treat symptomatically.

attention and special treatment
needed, if necessary

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.

C. 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. Use 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****Appropriate engineering controls****Engineering measures**

Ensure adequate ventilation, especially in confined areas.

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

These recommendations apply to the product as supplied. 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
Odor	Barely perceptible
Color	Brown
Odor threshold	No information available
pH	5.6-6.6
Melting point/freezing point	No information available
Boiling Point/Range	
Flash point	> 93 °C
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
Specific gravity	1.32-1.35

Water solubility	Soluble 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	No information available
Oxidizing properties	Non-oxidizing
Softening point	No information available
Molecular weight	No data 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.

Hazardous polymerization

Hazardous polymerization does not occur.

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 > Acute Toxicity Estimate (ATE)

LD50 Dermal No information available

Information on likely routes of exposure

Inhalation: May cause irritation of respiratory tract

Eye Contact: Causes serious eye irritation

Skin Contact: May cause slight irritation

Ingestion: Ingestion may cause irritation to mucous membranes

Information on toxicological effects

Symptoms: May cause irritation of respiratory tract Causes serious eye irritation May cause slight skin irritation Ingestion may cause irritation to mucous membranes

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**

The environmental impact of this product has not been fully investigated.

Persistence and degradability: No information available.**Bioaccumulation:** No information available.**Mobility:** Soluble in water.**Other Adverse Effects:** See product label for additional application instructions relating to environmental precautions**Section 13: DISPOSAL CONSIDERATIONS**

Waste disposal methods 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 containers and packages 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)
Calcium chloride 10043-52-4	X	X	X	X	X	X	X	X
Ethylene glycol 107-21-1	X	X	X	X	X	X	X	X
Sodium lignosulfonate 8061-51-6	X	X		X	X	X	X	X

Section 16: OTHER INFORMATION

Prepared By: FMC Corporation

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