SAFETY DATA SHEET



1. Identification

Product identifier ProNatural VerdeMax

Other means of identification None.

Recommended use Ag Product - Plant Nutrition

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Wilbur-Ellis Company LLC
Address 16300 Christensen Rd. Ste 135

Tukwila, WA 98188

United States

Telephone Branded Products (800) 500-1698

Information

E-mail SDS@wilburellis.com

Emergency phone number Chemtrec - Domestic (800) 424-9300

Chemtrec - International +1 703-741-5970

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Hazardous to the aquatic environment, acute Category 3

hazard

Hazardous to the aquatic environment, Category 3

long-term hazard

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.
Signal word None.

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statement

PreventionAvoid release to the environment.ResponseWash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Common name and synonyms	CAS number	%
	7487-88-9	20 - < 30
	10034-96-5	3 - < 5
	77-92-9	1 - < 3
	7733-02-0	1 - < 3
	7758-99-8	< 1
	7720-78-7	< 0.2
e levels		60 - < 70
	Common name and synonyms e levels	7487-88-9 10034-96-5 77-92-9 7733-02-0 7758-99-8 7720-78-7

Composition comments Occupational Exposure Limits for impurities, if present, are listed in Section 8.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

IngestionRinse mouth. Get medical attention if symptoms occur.Most importantDirect contact with eyes may cause temporary irritation.

symptoms/effects, acute and

delayed

Indication of immediate medical attention and special

Treat symptomatically.

medical attention and special treatment needed

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from

the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

and precautions for firefighters Fire fighting

equipment/instructions

Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value
Manganese Sulfate (CAS 10034-96-5)	Ceiling	5 mg/m3

Components	Туре	Value	Form
Copper Sulfate (CAS 7758-99-8)	TWA	1 mg/m3	Dust and mist.
		0.2 mg/m3	Fume.
Iron Sulfate (CAS 7720-78-7)	TWA	1 mg/m3	
Manganese Sulfate (CAS 10034-96-5)	TWA	0.1 mg/m3	Inhalable fraction.
		0.02 mg/m3	Respirable fraction.
US. NIOSH: Pocket Guide to Che	mical Hazards		
US. NIUSH. PUCKEL Guide to Cite	iiiioai i iazai ao		
	Туре	Value	Form
Components Copper Sulfate (CAS		Value 1 mg/m3	Form Dust and mist.
Components Copper Sulfate (CAS	Туре		
Components Copper Sulfate (CAS 7758-99-8) Iron Sulfate (CAS	Туре	1 mg/m3	Dust and mist.
Components Copper Sulfate (CAS 7758-99-8) Iron Sulfate (CAS 7720-78-7) Manganese Sulfate (CAS 10034-96-5)	Type TWA	1 mg/m3 0.1 mg/m3	Dust and mist.

Biological limit values

Appropriate engineering

controls

No biological exposure limits noted for the ingredient(s).

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear suitable protective clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

9. Physical and chemical properties

Appearance Green liquid.
Physical state Liquid.
Form Liquid.
Color Green
Odor Not available.
Odor threshold Not available.
pH 2 - 2.5

Melting point/freezing point

Not available.

Initial boiling point and boiling

Not available.

range

Flash point

Evaporation rate

Flammability (solid, gas)

Not available.

Not available.

Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

(%)

Flammability limit - upper

(%)

Not available.

Explosive limit - lower (%)

Not available. Explosive limit - upper (%) Not available.

Vapor pressure Not available. Not available. Vapor density Relative density Not available.

Solubility(ies)

Solubility (water) Not available. **Auto-ignition temperature** Not available. **Decomposition temperature** Not available. Not available. **Viscosity**

Other information

Density 10.48 lb/gal **Explosive properties** Not explosive. **Oxidizing properties** Not oxidizing. Specific gravity 1.26 Soluble

10. Stability and reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport. Reactivity

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Avoid temperatures exceeding the decomposition temperature. Contact with incompatible

materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

products

Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

11. Toxicological information

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact No adverse effects due to skin contact are expected. Direct contact with eyes may cause temporary irritation. Eye contact

Expected to be a low ingestion hazard. Ingestion

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity Not known.

Product Species Test Results

ProNatural VerdeMax

Acute **Dermal** Liquid

LD50 Rabbit > 2000 mg/kg, 24 hours

Oral Liquid

LD50 Rat > 10000 mg/kg

Material name: ProNatural VerdeMax 1333 Version #: 01 Issue date: 05-19-2021

Components **Species Test Results** Citric Acid (CAS 77-92-9) **Acute** Dermal LD50 Rat > 2000 mg/kg, 24 Hours Oral LD50 Mouse 5400 mg/kg Other LD50 Rat 2700 mg/kg Copper Sulfate (CAS 7758-99-8) **Acute Dermal** LD50 Rat > 2000 mg/kg, 24 Hours Oral Rat LD50 482 mg/kg Epsom Salts (CAS 7487-88-9) **Acute Dermal** LD50 Rat > 2000 mg/kg, 24 Hours Oral LD50 Rat > 2000 mg/kg Iron Sulfate (CAS 7720-78-7) **Acute Dermal** LD50 Rat > 2000 mg/kg, 24 Hours Oral LD50 Rat > 2000 mg/kg Manganese Sulfate (CAS 10034-96-5) **Acute** Oral LD50 Rat 2150 mg/kg Zinc Sulfate (CAS 7733-02-0) Acute **Dermal** LD50 Rabbit > 2000 mg/kg, 24 Hours Oral LD50 Rat 2280 mg/kg Skin corrosion/irritation Prolonged skin contact may cause temporary irritation. Direct contact with eyes may cause temporary irritation. Serious eye damage/eye irritation Respiratory or skin sensitization Respiratory sensitization Not a respiratory sensitizer. Skin sensitization This product is not expected to cause skin sensitization. No data available to indicate product or any components present at greater than 0.1% are Germ cell mutagenicity mutagenic or genotoxic. Carcinogenicity Not classifiable as to carcinogenicity to humans. IARC Monographs. Overall Evaluation of Carcinogenicity

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Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

US. National Toxicology Program (NTP) Report on Carcinogens

Reproductive toxicityThis product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard

Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

Persistence and degradability

No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential Mobility in soil

No data available.

No data available.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

the IBC Code

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and

Not established.

15. Regulatory information

US federal regulations

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are listed on or exempted from the U.S. EPA TSCA Inventory List.

Toxic Substances Control Act (TSCA)

One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Iron Sulfate (CAS 7720-78-7)Listed.Manganese Sulfate (CAS 10034-96-5)Listed.Zinc Sulfate (CAS 7733-02-0)Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

No

chemical

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.	
COPPER COMPOUNDS (WITH EXCEPTIONS)	7758-99-8	< 1	
MANGANESE COMPOUNDS	10034-96-5	3 - < 5	
ZINC COMPOUNDS	7733-02-0	1 - < 3	

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Manganese Sulfate (CAS 10034-96-5)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Contains component(s) regulated under the Safe Drinking Water Act.

(SDWA)

US state regulations

California Proposition 65



WARNING: This product can expose you to cadmium, which is known to the State of California to cause

cancer and birth defects or other reproductive harm. For more information go

to www.P65Warnings.ca.gov.

Cadmium (CAS 7440-43-9)

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Epsom Salts (CAS 7487-88-9)

16. Other information, including date of preparation or last revision

Issue date 05-19-2021

Version # 01

Health: 1 NFPA ratings

Flammability: 0

Instability: 0

NFPA ratings



Disclaimer

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