

Coastal AgroBusiness, Inc.



Safety Data Sheet

Verity™ Systemic Fungicide

SDS Number: 12054
 SDS Prepared: 2/1/2021
 SDS Version: 1.0
 Version Date: 2/1/2021

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Verity™ Systemic Fungicide

EPA REGISTRATION NUMBER: 83416-1-5549

Manufactured by:

Coastal AgroBusiness Inc.
 PO Box 856
 Greenville, NC 27835
 Phone: 1-800-635-1388

Emergency Telephone Numbers

Chemtrec (24 hours)
 1-800-424-9300
 Coastal AgroBusiness, Inc. (Weekdays – Eastern Standard Time)
 1-800-635-1388

2. HAZARDS IDENTIFICATION SUMMARY

Appearance: Clear liquid

Physical State: Liquid

Odor: Odorless

Classification

Acute toxicity – Oral

Category 4

EMERGENCY OVERVIEW

Hazard Statements:

H302 – Harmful if swallowed

GHS Label elements, including precautionary statements

Signal Word – “WARNING”

Precautionary Statement(s) - Prevention:

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

P270 - Do not eat, drink or smoke when using this product

Precautionary Statement(s) - Response:

P301+P330+P331 - IF SWALLOWED: Rinse mouth, immediately call a poison center/doctor.

Precautionary Statement(s) - Disposal:

P501 - Dispose of contents/container to an approved waste disposal plant

Other Hazards:

H412 - Harmful to aquatic life with long lasting effects



3. COMPOSITION/ INFORMATION ON INGREDIENTS

CHEMICAL

Phosphorous acid
 Potassium hydroxide

CAS NUMBER

10294-56-1
 1310-58-3

% BY WEIGHT

Proprietary
 Proprietary

If Chemical Name/GAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

GENERAL ADVICE:	Provide this SDS to medical personnel for treatment.
INHALATION:	IF INHALED: Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician / poison center if individual's condition declines or if symptoms persist.
EYES:	IF IN EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
SKIN:	IF ON SKIN (or hair): Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
INGESTION:	IF SWALLOWED: Do not induce vomiting. Rinse mouth. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms and effects

SYMPTOMS: May cause eye, skin and respiratory tract irritation

Indications of any immediate medical attention and special treatment needed

NOTES TO PHYSICIAN: Treat symptomatically

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment..
NON-SUITABLE EXTINGUISHING MEDIA:	Not determined
SPECIFIC EXPOSURE HAZARDS:	Product is not flammable.
PROTECTIVE EQUIPMENT:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

PERSONAL PRECAUTIONS:	Ventilate affected area. Wear protective clothing as described in Section 8 of this safety data sheet. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.
ENVIRONMENTAL PRECAUTIONS:	See Section 12 for additional Ecological Information

Methods and material for containment and cleaning up

METHODS FOR CONTAINMENT:	Prevent further leakage or spillage if safe to do so. Soak up and contain spill with an inert (i.e. vermiculite, dry sand or earth) absorbent material.
METHODS FOR CLEAN-UP:	Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

7. HANDLING AND STORAGE

SAFE HANDLING:	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Do not eat or drink while handling this material. Do not contaminated water, food or feed by storage or disposal.
STORAGE:	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store away from combustible materials, herbicides and fungicides.
INCOMPATIBLE MATERIALS	Strong bases. Strong oxidizing agents.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium hydroxide 1310-58-3	Ceiling: 2 mg/m ³	(vacated) Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³

APPROPRIATE ENGINEERING CONTROLS: Maintain eye wash fountain and quick-drench facilities in work area.

CONTROLS: EYE/FACE PROTECTION: Use safety goggles, safety glasses with side shields and/or a full face shield as described by OSHA's eye and face protection regulations in 29CFR 1910.133.

SKIN PROTECTION: Wear impervious protective clothing, long pants and long-sleeved shirt, waterproof gloves, including socks and boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

RESPIRATORY PROTECTION: Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator.

GENERAL HYGIENE CONSIDERATIONS: Harmful if swallowed, absorbed through skin or inhaled. Avoid contact with skin, eyes and clothing. Avoid breathing spray mist or vapors. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SOS. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
APPEARANCE:	Clear liquid
COLOR:	Clear
ODOR:	Odorless
ODOR THRESHOLD:	Not determined
pH:	5.04
MELTING POINT/FREEZING POINT:	Not determined
BOILING POINT/BOILING RANGE:	Not determined
FLASH POINT:	Not determined
EVAPORATION RATE:	Not determined
FLAMMABILITY (SOLID, GAS):	n/a liquid
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	Not determined
VAPOR PRESSURE:	Not determined
VAPOR DENSITY:	Not determined
RELATIVE DENSITY:	Not determined
SPECIFIC GRAVITY:	1.38
WATER SOLUBILITY:	Not determined
PARTIAL COEFFICIENT:	Not determined
AUTO-IGNITION TEMPERATURE:	Not determined
DECOMPOSITION TEMPERATURE:	Not determined
VISCOSITY:	Not determined

10. STABILITY AND REACTIVITY

REACTIVITY	Not reactive under normal conditions.
CHEMICAL STABILITY:	Stable under recommended storage conditions.
POSSIBILITY OF HAZAROUS REACTIONS:	None under normal processing.
CONDITIONS TO AVOID:	Keep away from heat, sparks and open flame.
INCOMPATIBLE MATERIALS:	Strong oxidizing agents.
HAZARDOUS DECOMPOSTION PRODUCTS:	None based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

EYE CONTACT: Direct contact with eyes may cause temporary irritation.
SKIN CONTACT: Prolonged contact may cause redness and irritation.
INHALATION: Avoid breathing vapors or mists.
INGESTIONS: Ingestion may cause irritation to mucous membranes.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
Potassium hydroxide 1310-58-3	=284 mg/kg (Rat)	-	-

Information on physical, chemical and toxicological effects

SYMPTOMS Please see section 4 of this SDS for symptoms.

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

CARCINOGENICITY: The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Potassium hydroxide 1310-58-3		80: 96 h <i>Gambusia affinis</i> mg/L LC50 static		

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Potassium hydroxide 1310-58-3	0.65 0.83

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF WASTES

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility ..

CONTAMINATED PACKAGING

Non refillable container. Do not reuse or refill this container. Containers with a capacity of equal to or less than 5 gallons: Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1 /4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Containers with a capacity of greater than 5 gallons: Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank. Fill the container 1 /4 full with water. Replace and tighten closures. Tip the container on its side and roll it back and forth, insuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, keep out of smoke.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Potassium hydroxide 1310-58-3	Toxic Corrosive

14. TRANSPORTATION INFORMATION

Note: Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

D.O.T.: :

IATA: NOT REGULATED

IMDG: NOT REGULATED

Marine Pollutant

This material may meet the definition of marine pollutant

Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

EPA FIFRA INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SOS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION. Harmful if swallowed, absorbed through skin or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist or vapors. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse. Wear the appropriate Personal Protective Equipment (PPE).

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IESCS	KECL	PICCS	AICS

SAFETY DATA SHEET

Verity™ Systemic Fungicide

Phosphorous acid	*	X		Present		Present	X	Present	X	X
Potassium hydroxide	*	X		Present		Present	X	Present	X	X

Legend:

**This product is exempted from TSCA because it is solely for FIFRA regulated use.*

TSCA - United States Toxic Substances Control Act Section B(b) Inventory

DSUNDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

A/CS - Australian Inventory of Chemical Substances

US FEDERAL REGULATIONS**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA DQs	Reportable Quantity (RQ)
Potassium hydroxide 1310-58-3	1000 lbs		RQ 1000 lb final RQ RQ 454 kg final RQ

SARA 311/312 Hazard Categories

Acute Health Hazard	YES
Chronic Health Hazard	NO
Fire Hazard	NO
Sudden Release of Pressure Hazard	NO
Reactive Hazard	NO

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

Chemical Name	CWA – Reportable Quantities	CWA - Toxic Pollutants	CWA – Priority Pollutants	CWA – Hazardous Substances
Potassium hydroxide	1000 lb			X

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

US State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Potassium hydroxide 1310-58-3	X	X	X

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	Not determined
HMIS	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	Not determined

SDS STATUS: New
REASON FOR CHANGE: New product
PREPARED BY: Tandy O. Dunn, Director of Health, Safety & Environmental Affairs

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