

SAFETY DATA SHEET

SECTION 1	PRODUCT AND COMPANY IDENTIFICATION	
Trade Name:	Renuvis Enzara	
Primary Use:	Crop residue degradation complement	
Company Information:	Corporate Headquarters	The Mosaic Company 101 East Kennedy Blvd, Ste 2500 Tampa, FL 33602
	US Guarantor	Mosaic Biosciences Headquarters 5 Lab Drive, Suite 3200 Durham, NC 27709 Production 111 E. Tever Street Plant City, FL 33563-2417
	Canada Guarantor	Mosaic Canada Crop Nutrition, LP 1700 – 2010 12th Ave. Regina, SK Canada S4P 0M3
	Contact Info	www.cropnutrition.com +1 (813) 718-7284 MBNAinfo@mosaicco.com
	EMERGENCY OVERVIEW 24 Hour Emergency Telephone Number: For Chemical Emergencies: Spill, Leak, Fire or Accident Call CHEMTREC North America: (800) 424-9300 (reference CCN201871) Others: (703) 527-3887 (collect)	
Emergency Telephone:		

SECTION 2	HAZARD IDENTIFICATION
OSHA/HCS Status:	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). See appropriate classifications below.
GHS Classification:	SKIN IRRITATION – Category 2 EYE IRRITATION - Category 2
	Signal Word: Warning Hazard Statement(s) H315: Causes skin irritation. H319: Causes serious eye irritation. Precautionary statements: P264: Wash hands thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352: IF ON SKIN: wash with plenty of water. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. P321: Specific treatment (see Section 4 on this label). P332 + P317: If skin irritation occurs: Get medical help. P337 + P317: If eye irritation persists: Get medical help. P362 + P364: Take off contaminated clothing and wash it before reuse.

Label Elements:	
Prevention:	Wear eye or face protection.
Response:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

SECTION 3	COMPOSITION INFORMATION ON INGREDIENTS		
Composition:	Component	CAS#	Concentration % by weight
	3(2H)-Isothiazolinone,5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone	55965-84-9	0.001 – 0.01%
	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	2634-33-5	0.001 – 0.01%
	Zinc sulfate monohydrate	7446-19-7	0.01 – 0.5%
	Copper sulfate pentahydrate	7758-99-8	0.1 – 1%
	Sodium hydroxide	1310-73-2	1 – 5%
	Citric acid	77-92-9	1 – 5%

SECTION 4	FIRST AID MEASURES	
First Aid Procedures:	Eyes:	Move victim away from exposure and into fresh air. Flush eyes with plenty of clean water for at least 15 minutes. If symptoms persist, seek medical attention.
	Skin:	Wash contaminated area thoroughly with mild soap and water. If chemical or solution soaks through clothing, remove clothing and wash contaminated skin. If irritation develops and persists after washing, seek medical attention.
	Inhaled:	If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention.
	Ingestion:	Rinse mouth thoroughly. If large amounts are swallowed, seek emergency medical attention.

SECTION 5	FIRE FIGHTING MEASURES
Extinguishing Media:	Use extinguishing agent suitable for type of surrounding fire. Foam, dry powder, carbon dioxide, water spray, sand.
Special hazards arising from substance or mixture:	Combustion may yield noxious or toxic fumes and gases including carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxide, boron oxide, zinc oxide, potassium oxide, magnesium oxide, or molybdenum oxide.
Protection of Firefighters:	Positive pressure, self-contained breathing apparatus is required for all firefighting activities involving hazardous materials.

SECTION 6	ACCIDENTAL RELEASE MEASURES
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General measure:	Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapors. Ventilate spillage area.
Environmental precautions:	Collect the spillage. Prevent further spillage and product from entering waterways. Prevent the product or spilled material from entering water bodies. Wipe up spilled material and place in sealable waste container labelled for disposal. Wash down affected area with water and detergent. Absorb and collect washings and place in sealable waste container.
Methods and materials for containment:	Procedure for spill: 1. Keep all bystanders away 2. Wear full length clothing and PVC gloves 3. Reposition any leaking containers to minimize leakage 4. Soak up liquid spills with absorbent or inert material and sweep spilt material into a pile 5. Shovel into drums 6. Disposal of material will depend upon the extent of the spill a. For quantities of up to 50 kg of product, bury in a secure landfill site b. For quantities greater than 50 kg, seek advice from the manufacturer (use emergency contact number) before attempting disposal. Contain in a secure location until disposal method is established 7. Decontaminate spill area with detergent and water and rinse with the smallest amount of water practicable.

SECTION 7	HANDLING AND STORAGE
Handling:	Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Wash contaminated clothing or shoes. Use good personal hygiene practices.
Storage:	Use and store this material in dry, well-ventilated areas. Store only in approved containers. Keep container(s) tightly closed. Avoid excessive heat and direct sunlight.
Incompatible materials:	Acids, bases, oxidizing agents, reducing agents, and disinfectants may inactivate.

SECTION 8	EXPOSURE CONTROLS / PERSONAL PROTECTION	
Engineering Controls:	Use process enclosure, general dilution ventilation or local exhaust systems where necessary to maintain airborne dust concentration below the OSHA standards or in accordance with applicable regulations.	
Personal Protective Equipment (PPE):	Eye/Face:	Approved eye protection to safeguard against potential eye contact, irritation, or injury is recommended.
	Skin:	Wear gloves, pants, long sleeved shirt, shoes and socks.
	Respiratory:	Under normal conditions, none required. If drift occurs, wear breathing apparatus
	Other:	A source of clean water should be available in the work area for flushing eyes and skin.
General Hygiene Considerations:	Wash thoroughly after handling Use adequate ventilation	
Exposure Guidelines:	Ingredient	OSHA Permissible Exposure Limits (PEL); TLV
	Copper Sulfate Pentahydrate	As Cu, PEL 0.2 mg/m ³ as fume 1 mg/m ³ as dusts and mists
	Sodium Hydroxide, 50%	PEL-TWA: 2 mg/m ³

	Manganese Sulfate Monohydrate	As Mn compound or fume, PEL-ceiling: 5 mg/m ³
	Sodium Molybdate Dihydrate	As Mo, Soluble: 5 mg/m ³ Insoluble: 15 mg/m ³
	Glycerin	PEL-TWA: 15/mg/mL ³ (total dust) PEL-TWA: 5 mg/mL ³ (respirable)

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES		
Appearance:	Clear blue liquid	Vapor Pressure (mm Hg):	Not applicable
Odor:	Minimal, earthy	Vapor Density (air=1):	Not applicable
Odor Threshold:	No data available	Specific Gravity:	1.19
Physical state:	Liquid	Density:	1.18 – 1.20 g/cm ³ (densimeter)
pH:	6.0 – 8.0	Solubility in Water:	Dispersible in water
Melting Point/ Freezing Point:	No data available	Partition coefficient:	Not applicable
Boiling Point:	No data available	Auto-Ignition Temperature:	No data available
Flash Point:	No data available	Decomposition Temperature:	No data available
Evaporation Rate:	No data available	Viscosity:	No data available
Flammability:	No data available	Volatility:	<1 %
Upper/Lower Flammability or explosive limits	No data available		

SECTION 10	STABILITY AND REACTIVITY
Reactivity:	None under normal conditions.
Chemical Stability:	Stable under normal conditions. Susceptible to extreme conditions and prolonged excessive heat.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid:	Prolonged or excessive heat and open flame, direct sunlight, and freezing.
Incompatible Materials:	Strong oxidizing agents, strong reducing agents, acids, bases, direct sunlight, nitrates.
Hazardous Decomposition Products:	Hazardous oxides may form with decomposition. Under extreme conditions, irritating gases may form.

SECTION 11	TOXICOLOGICAL INFORMATION
Causes skin irritation and serious eye irritation.	

SECTION 12	ECOLOGICAL INFORMATION
Toxicity:	Likely to be toxic to fish, aquatic invertebrates, and plants when concentrated.
Persistence and degradability:	Persistence is unlikely based on available information.

Bioaccumulation potential:	No additional information available.
Mobility in soil:	Likely to be mobile in the environment due to solubility in water.
Results of PBT and vPvB assessment:	This product contains no PBT/vPvB chemicals
Endocrine disrupting properties:	This product contains no endocrine disrupting chemicals.

SECTION 13	DISPOSAL CONSIDERATIONS
Container disposal:	Triple rinse containers before disposal. Add rinsings to spray tank. DO NOT reuse this container for any other purpose. If recycling, replace cap and return clean container to recycler or designated collection point. If not recycling, break, crush or puncture and deliver to an approved waste management facility.
Product disposal:	Do not dispose of undiluted chemicals on site. Dispose of this product only by using according to the label, or at an approved landfill. DO NOT contaminate water supply with chemical or empty container.

SECTION 14	TRANSPORT INFO
Not regulated as dangerous goods by DOT, TDG, IMDG, or IATA.	

SECTION 15	REGULATORY INFORMATION
TSCA:	All components of this product are exempt from listing on the United States EPA TSCA Chemical Inventory and not otherwise regulated by TSCA.
SARA 302:	No components of this mixture exceed the threshold reporting requirements of SARA Title III, Section 302.
SARA 313:	No components of this mixture with known CAS numbers are present in concentrations exceeding the threshold subject to the reporting requirements of SARA Title III, Section 313.
SARA 311/312:	No SARA hazards.
EPA:	Hazardous Substance: Not applicable Reportable Quantity: Not applicable
US DHS:	No components of this mixture are above the Screening Threshold Quantity of the Chemical Facility Anti-Terrorism Standards.
California Proposition 65:	No components of this mixture are known to the State of California to cause cancer, birth defects, or any other reproductive harm.
CEPA:	All ingredients in this product are exempt from listing on Canada's DSL/NDL.

SECTION 16	OTHER INFORMATION
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Disclaimer:	The information in this document is believed to be correct as of the date issued. HOWEVER, MOSAIC MAKES NO GUARANTEE, REPRESENTATION, OR WARRANTY, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO THE USE OF THIS PRODUCT. User is responsible for determining whether this product is fit for a particular purpose and suitable for user's method of use or application and assumes the risk of use thereof. The conditions and use of this product are beyond the control of Mosaic, and Mosaic disclaims any liability for loss or damage incurred in connection with the use or misuse of this product. Each user should review the recommended industrial hygiene and safe handling procedures in the specific context of the intended use and determine whether they are appropriate.
Preparation:	The preparation of this SDS was in accordance with ANSI Z400.1-2010.
Revision Date:	January 16, 2026