

1. PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER ICA Trinova, LLC
 1 Beavers Street, Suite B
 Newnan, GA 30263 USA

REVISION DATE **September 12, 2017**

EMERGENCY TELEPHONE TO REQUEST AN SDS HAZMAT Services, Inc. **800-373-7542**, Contract # 1055
 sales@icatrinoa.com

CUSTOMER SERVICE **770-683-9181 M-F 9:00 - 5:00 EST**

PRODUCT IDENTIFIER **Z-Series™ Water Treatment Pack, Part B**

SYNONYMS ZS, Acid Activator, Part B,

RECOMMENDED USES Use as an activator for precursor chemicals

USES ADVISED AGAINST Anything inconsistent with package instructions.

2. HAZARDS IDENTIFICATION

CLASSIFICATION This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

COLOR White to Lt. Grey

PHYSICAL STATE Solid

APPEARANCE Granules

ODOR None

GHS CLASSIFICATION

<i>Table A3.1.2 (p. 270) G.H.S. of Classifying and Labeling Chemicals; Sixth Revised Edition</i>	
HEALTH HAZARD STATEMENT	HAZARD CATEGORY
MAY BE HARMFUL IF SWALLOWED	5
MAY BE HARMFUL IN CONTACT WITH SKIN	5
CAUSES EYE IRRITATION	2B
HARMFUL IF INHALED	4

UNKNOWN ACUTE TOXICITY

GHS SYMBOL



SIGNAL WORD **DANGER**

PHYSICAL HAZARDS

May be corrosive to metals

PRECAUTIONARY STATEMENTS

PREVENTION

Under normal conditions of use, no health effects are expected. Carefully follow use instructions.

RESPONSE Seek medical attention for any persistent symptom or if you feel unwell.

IF SWALLOWED

Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

IF ON SKIN (OR HAIR)

Brush off loose particles. Rinse with water.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for as long as possible or at least 15 minutes.

IF INHALED

Move person to fresh air and keep comfortable for breathing.

STORAGE

Store in original container. Store in a well-ventilated place. Keep container tightly closed. Protect from moisture and water to retain product integrity.

DISPOSAL

Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations.

HAZARDS NOT OTHERWISE CLASSIFIED

None Identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Synonyms	CAS No.	Weight % Range
Sulfuric Acid	H2SO4	7664-93-9	10-30
Zeolite	---	12173-10-3	65-90
Other Ingredients - Not Classified	---	---	0-5

4. FIRST AID MEASURES
GENERAL ADVICE

When medical attention is required, show this SDS to the attending physician.

INGESTION (IF SWALLOWED)

Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

SKIN CONTACT (IF ON SKIN OR HAIR)

Brush off loose particles. Rinse with water.

EYE CONTACT (IF IN EYES)

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for as long as possible or at least 15 minutes.

INHALATION (IF INHALED)

Move person to fresh air and keep comfortable for breathing.

SIGNS AND SYMPTOMS OF EXPOSURE
INGESTION (IF SWALLOWED)

Exposure by ingestion may cause irritation, nausea, and vomiting.

SKIN CONTACT (IF ON SKIN OR HAIR)

Skin exposure may cause redness, rash or irritation.

EYE CONTACT (IF IN EYES)

Exposure to eyes may cause irritation and burns to the eye.

INHALATION (IF INHALED)

Inhalation of airborne material may cause irritation, redness of upper and lower airways, coughing.

SELF-PROTECTION FOR FIRST AID PERSONNEL

Use personal protective equipment as required. Avoid contact with skin, eyes, or clothing.

5. FIRE-FIGHTING MEASURES
FIRE HAZARD

Not a fire hazard.

SUITABLE EXTINGUISHING MEDIA

Use measures that are appropriate to local circumstances and the surrounding environment.

UNSUITABLE EXTINGUISHING MEDIA

None known.

FIRE FIGHTING

Wear NIOSH approved positive-pressure self-contained breathing apparatus. Consider evacuation of personnel located downwind. Keep unnecessary people away, isolate hazard area and deny entry. Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Flood with fine water spray. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

HAZARDOUS COMBUSTION PRODUCTS	Not Applicable
SENSITIVITY TO MECHANICAL IMPACT	Not Sensitive
SENSITIVITY TO STATIC DISCHARGE	Not Sensitive
LOWER FLAMMABILITY LEVEL (AIR)	Not Flammable
FLASH POINT	Not Flammable
AUTO-IGNITION TEMPERATURE	Not Applicable

6. ACCIDENTAL RELEASE MEASURES
PERSONAL PRECAUTIONS

Wear protective gloves, safety glasses and appropriate clothing to minimize skin contact. Avoid breathing dust or fumes.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Pick up spilled material and place in appropriate containers for disposal. Avoid mixing spilled material with other chemicals or debris when cleaning up. Dispose of in accordance with all applicable regulations.

ENVIRONMENTAL PRECAUTIONS

Avoid release into the environment. Do not flush into surface water or sanitary sewer system.

7. HANDLING AND STORAGE
PRECAUTIONS FOR SAFE HANDLING

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, or clothing.

SAFE STORAGE CONDITIONS

Store in tightly closed labeled containers in a dry, well-ventilated area, out of direct sunlight. Store and handle in accordance with all current regulations and standards. Keep separated from incompatible substances (see below or Section 10 of the Safety Data Sheet).

INCOMPATIBILITIES/MATERIALS TO AVOID

Will react with water to produce corrosive liquid or fumes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
EXPOSURE GUIDELINES

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

ENGINEERING CONTROLS

Ensure adequate ventilation, especially in confined areas.

GENERAL HYGIENE CONSIDERATIONS

Do not eat, drink, or smoke while using this product. Keep away from food, drink, and animal feeding stuffs. Regular cleaning of equipment, work area, and clothing is recommended. Do not taste or swallow.

SKIN AND BODY PROTECTION

Wear protective clothing to minimize skin contact. Contaminated clothing should be laundered before reuse.

HAND PROTECTION

Impervious gloves are recommended.

PROTECTIVE MATERIAL TYPES

Neoprene

EYE AND FACE PROTECTION

Safety glasses or goggles.

RESPIRATORY PROTECTION

Use a dust mask to avoid breathing particulate.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid	pH	Not Applicable to Solids
Appearance	Granules	Kinematic Viscosity	Not Applicable to Solids
Color	White to Lt. Grey	Water Solubility	Partially soluable in water
Odor	None	Partition Coefficient	Not Applicable
Melting Point/Freezing Point	Not Applicable	Vapor Pressure	Not Applicable
Boiling Point/Range	Not Applicable	Density	Approx. 60 lbs. per cubic foot
Flammability (solid, gas)	No Information available	Vapor Density (air=1)	Not Applicable
Lower Flammability Level (air)	No Information available	Particle Characteristics	Median 18 mesh, Range 6-80 mesh
Upper Flammability Level (air)	No Information available	Molecular Weight	No Information available
Flash point	Not Applicable to Solids	Molecular Formula	No Information available
Auto-ignition Temperature	No Information available	Evaporation Rate (ether=1)	Not Applicable to Solids
Decomposition Temp.	No Information available		

10. STABILITY AND REACTIVITY

REACTIVITY	Not Reactive
CHEMICAL STABILITY	Stable
POSSIBILITY OF HAZARDOUS REACTIONS	None Known
CONDITIONS TO AVOID	Improper storage in open containers
INCOMPATIBLE MATERIALS	Not applicable
HAZARDOUS DECOMPOSITION PRODUCTS	None
HAZARDOUS POLYMERIZATION	Will not occur

11. TOXICOLOGICAL INFORMATION
LIKELY ROUTES OF EXPOSURE AND POTENTIAL HEALTH EFFECTS

Table A3.1.2 (p. 270) G.H.S. of Classifying and Labeling Chemicals; Sixth Revised Edition

	HAZARD CLASS	HEALTH HAZARD STATEMENT	CATEGORY
(a.)	Acute Toxicity, Oral	MAY BE HARMFUL IF SWALLOWED	5
(b.)	Skin corrosion/irritation	MAY BE HARMFUL IN CONTACT WITH SKIN	5
(c.)	Serious Eye Damage/eye irritation	CAUSES EYE IRRITATION	2B
(d.)	Acute toxicity , inhalation	HARMFUL IF INHALED	4
(e.)	Germ Cell Mutagenicity	Not Classified	
(f.)	Carcinogenity	Category 3 - Not classifiable as a carcinogen by IARC	
(g.)	Reproductive Toxicity	Not Classified	
(h.)	STOT - Single Exposure	Not Classified	
(i.)	STOT-repeated exposure	No information available	
(j.)	Aspiration Hazard	No information available	

SIGNS AND SYMPTOMS OF EXPOSURE
INGESTION (IF SWALLOWED)

Exposure by ingestion may cause irritation, nausea, and vomiting.

SKIN CONTACT (IF ON SKIN OR HAIR)

Skin exposure may cause redness, rash or irritation.

EYE CONTACT (IF IN EYES)

Exposure to eyes may cause irritation and burns to the eye.

INHALATION (IF INHALED)

Inhalation of airborne material may cause irritation, redness of upper and lower airways, coughing.

12. ECOLOGICAL INFORMATION
ECOTOXICITY DATA

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Crustacea	
Zeolite 12173-10-3	18: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50	1800: 96 h <i>Brachydanio rerio</i> mg/L LC50 semi-static 3200-5600: 96 h <i>Oryzias latipes</i> mg/l LC50 semi-static 1800-3200: 96 h <i>Poecilia reticulata</i> mg/l Lc50 semi-static.	1000-1800: 48 h <i>Daphnia magna</i> mg/LEC50	
Chemical Name	Bluegill Fish (<i>Lepomis macrochirus</i>)	Alge	Zebra Fish	Water Flea
Sulfuric Acid	LC50 = 16 - 28 mg/L (pH = 3.25 - 3.5)	NOEC = 0.13 mg/L (pH = 5.6)	LC50 = 82 mg/L	EC50 = 42.5mg/L

BIODEGRADATION

No data available.

PERSISTENCE

No data available.

BIOACCUMULATIVE POTENTIAL

This material will not bioaccumulate.

MOBILITY IN SOIL

No data available.

OTHER ADVERSE EFFECTS

None Known.

13. DISPOSAL CONSIDERATIONS
CONTAINER MANAGEMENT

Do not reuse container.

WASTE FROM MATERIAL

Disposal should be in accordance with applicable regional, national, and local laws and regulations. Avoid sewage disposal.

14. TRANSPORT INFORMATION
DOT

Not regulated.

15. REGULATORY INFORMATION
US REGULATIONS

OSHA Hazard Communication Standard (29CFR 1910.1200)	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard.
TSCA	All Components are listed or exempted.
SARA 311/312	Reactive Hazard/Acute Health Hazard/Chronic Health Hazard.
SARA 313 Components	This product contains sulfuric acid which is subject to reporting requirements of this section of SARA Title III.
SARA 302/304/311/312 Extremely Hazardous Substance	This product contains sulfuric acid which is subject to reporting requirements of this section of SARA Title III.
SARA 302/304 Emergency Planning & Notification	This product contains sulfuric acid which is subject to reporting requirements of this section of SARA Title III.
Clean Water Act	This product contains sulfuric acid which is regulated as a hazardous substance pursuant to the Clean Water Act.
Clean Air Act	This product contains no chemical(s) regulated as a Hazardous Air Pollutants (HAP), Class 1 Ozone Depletor or Class 2 Ozone Depletor pursuant to the Clean Air Act.
California Proposition 65, Safe Drinking Water and Toxic Enforcement Act of 1986	This product contains Sulfuric Acid which is known to the state of California to cause cancer, birth defects or other reproductive harm.
Other U.S. State Inventories	Sulfuric Acid is listed on the following State Hazardous Substance Inventories or Right-to Know lists: MA/NJ/NY/PA

CANADIAN REGULATIONS

COMPONENT	DSL	NDSL
Sulfuric Acid 7664-93-9	Listed	Not Listed
Zeolite 12173-10-3	NS - Not Subject/Naturally occurring substances	

16. OTHER INFORMATION

Prepared by ICA-Trinova, LLC

IMPORTANT

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OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Safety Data Sheet available to your employees.

End of Safety Data Sheet