

**1. PRODUCT AND COMPANY IDENTIFICATION**

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

**REVISION DATE** **October 23, 2017**

**EMERGENCY TELEPHONE** HAZMAT Services, Inc. **800-373-7542**, Contract # 1055

**TO REQUEST AN SDS** *sales@icatrinoa.com*

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

**PRODUCT IDENTIFIER** **Z-Series™ DrainClO2™ Pack**

**SYNONYMS** Controlled release chlorine Dioxide

**RECOMMENDED USES** CONTROLLED RELEASE CHLORINE DIOXIDE

**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

**PHYSICAL STATE** Solid

**APPEARANCE** Powder

**ODOR** Slight chlorine odor

**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, IN CONTACT WITH SKIN, OR IF INHALED	5

**UNKNOWN ACUTE TOXICITY**  
 0% of the mixture consists of ingredient(s) of unknown toxicity

**GHS SYMBOL**



**SIGNAL WORD** **WARNING**

**PHYSICAL HAZARDS**  
 None Identified

**PRECAUTIONARY STATEMENTS**  
**PREVENTION**

Under normal conditions of use, no health effects are expected. Carefully follow use instructions. To avoid exposure to contents, do not open sachet.

**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.

**MAJOR HEALTH HAZARDS**  
 None Identified

**HAZARDS NOT OTHERWISE CLASSIFIED**  
 None Identified

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	Synonyms	CAS No.	Weight % Range
Sodium Chlorite	Sodium Chlorite, Chlorous Acid, Sodium Salt, Active Sodium Chlorite	7758-19-2	1-10
Diatomaceous Earth	Dicalite	99439-28-8	45-50
Sodium Bisulfate	—	7681-38-1	45-55

**4. FIRST AID MEASURES**
**GENERAL ADVICE**

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

**INGESTION (IF SWALLOWED)**

Rinse mouth. Drink plenty of water. 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 from skin and clothing. Wash skin with plenty of water. If irritation develops or persists call a physician.

**EYE CONTACT (IF IN EYES)**

Immediately flush with plenty of water, including under the eyelids. Remove any contact lenses if present and easy to do. Continue to rinse for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention .

**INHALATION (IF INHALED)**

Move person to fresh air. Get medical attention if needed.

**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.

**NOTES TO PHYSICIAN**

Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. There is no specific antidote. Treat symptomatically.

**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**

Dry chemical, CO2

**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	Chlorine, Oxides of sodium
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**

Acids, reducing agents, combustible material.

**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	Powder and Granules	Kinematic Viscosity	Not Applicable to Solids
Color	White	Water Solubility	Partially Soluble in Water
Odor	Slight chlorine odor	Partition Coefficient	Not Applicable
Melting Point/Freezing Point	Not Applicable to Solids	Vapor Pressure	No Information available
Boiling Point/Range	Not Applicable to Solids	Density	Approx. 60 lbs./ft <sup>3</sup>
Flammability (solid, gas)	No Information available	Vapor Density (air=1)	No Information available
Lower Flammability Level (air)	Not Applicable to Solids	Particle Characteristics	Powder and Granules
Upper Flammability Level (air)	Not Applicable to Solids	Molecular Weight	No Information available
Flash point	None	Molecular Formula	No Information available
Auto-ignition Temperature	Not Applicable to Solids	Evaporation Rate (ether=1)	Not Applicable to Solids
Decomposition Temp.	No Information available	(n-octanol/water)	No Information available

**10. STABILITY AND REACTIVITY**

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

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

<i>Table A3.1.2 (p. 270) G.H.S. of Classifying and Labeling Chemicals; Sixth Revised Edition</i>			
	<b>HAZARD CLASS</b>	<b>HEALTH HAZARD STATEMENT</b>	<b>CATEGORY</b>
(a., b., d.)	Acute Toxicity, Oral/dermal/inhalation	<b>MAY BE HARMFUL IF SWALLOWED, IN CONTACT WITH SKIN, OR IF INHALED</b>	5
(c.)	Serious Eye Damage/eye irritation	Under normal conditions of use, not an eye irritant	N/A
(e.)	Germ Cell Mutagenicity	No information available	
(f.)	Carcinogenity	Category 3 - Not classifiable as a carcinogen by IARC	
(g.)	Reproductive Toxicity	No information available	
(h.)	STOT - Single Exposure	No information available	
(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
Sodium Chlorite 7758-19-2	---	100 - 500: 96 h Brachydanio rerio mg/L LC50 static 100: 96 h Lepomis macrochirus mg/L LC50 static 100: 96 h Oncorhynchus mykiss mg/L LC50 static	0.020: 48 h Daphnia magna mg/L EC50 0.25 - 0.33: 48 h Daphnia magna mg/L EC50 Flow through 0.012 - 0.018: 48 h Daphnia magna mg/L EC50 Static
Chemical Name	Result	Species	Dose
Sodium Bisulfate 7681-38-1	LD50 Oral	Rat	2800 mg/kg

**BIODEGRADATION**

Chlorite ions are reduced by some bacteria under anaerobic conditions.

**PERSISTENCE**

This material will eventually degrade to sodium chloride.

**BIOACCUMULATIVE POTENTIAL**

This material will not bioaccumulate.

**MOBILITY IN SOIL**

No Information 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**
**INTERNATIONAL INVENTORIES**

<b>TSCA</b>	United States Toxic Substances Control Act Section 8(b) Inventory	COMPLIES	This product is not subject to export notification.	
<b>DSL/NDSL</b>	Canadian Domestic Substances List/Non-Domestic Substances List	COMPONENT	<b>DSL</b>	<b>NDSL</b>
		Zeolite 12173-10-3	NS - Not Subject/Naturally occurring substances	
		Technical Sodium Chlorite 7758-19-2	Listed	---
		Other Ingredients	Listed	---
<b>EINECS/ELINCS</b>	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances	COMPLIES	---	
<b>AICS</b>	Australian Inventory of Chemical Substances	COMPLIES	---	

**US FEDERAL REGULATIONS**

<b>CWA (CLEAN WATER ACT)</b>	This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)
<b>CERCLA</b>	This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material
<b>SARA 311/312</b>	Acute Health Hazard

**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**