

1. PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER ICA Trinova, LLC
 1 Beavers Street, Suite B
 Newnan, GA 30263 USA
REVISION DATE **October 5, 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 **StayFresh™ ZeoAir™ Air Filtration Media with Ethylene Control**
SYNONYMS Air Filtration Media
RECOMMENDED USES Air Treatment
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 Grey and Magenta
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
HARMFUL IF SWALLOWED	4
CAUSES SKIN IRRITATION	2
CAUSES SERIOUS EYE DAMAGE	1
HARMFUL IF INHALED	4
MAY CAUSE DAMAGE TO RESPIRATORY SYSTEM THROUGH PROLONGED OR REPEATED EXPOSURE	2

UNKNOWN ACUTE TOXICITY
GHS SYMBOL

SIGNAL WORD
DANGER
PHYSICAL HAZARDS

Oxidizer

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


Very toxic to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Synonyms	CAS No.	Weight % Range
Potassium Permanganate	---	7722-64-7	1-5
Sodium Chlorite	Sodium Chlorite, Chlorous Acid, Sodium Salt, Active Sodium Chlorite	7758-19-2	1-7
Zeolite	---	12173-10-3	75-94
Other Ingredients - Not Classified	---	---	3-12

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.

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

Occupational Exposure Limits

Components: Potassium Permanganate (CAS 7722-64-7)	Type	Value	Form
U.S. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)	Ceiling	5 mg/m ³	---
U.S. ACGIH Threshold Limit Values	TWA	0.01 mg/m ³	Inhalable Fraction
	TWA	0.02 mg/m ³	Respirable Fraction
US NIOSH Pocket Guide to Chemical Hazards: Recommended exposure limit (REL)	TWA	1 mg/m ³	Fume
US NIOSH Pocket Guide to Chemical Hazards: Short Term Exposure Limit (STEL)	STEL	3 mg/m ³	Fume

BIOLOGICAL LIMIT VALUES

No biological exposure limits noted for the ingredients.

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	Magenta	Water Solubility	Partially Soluble in Water
Odor	None	Partition Coefficient	Not Applicable
Melting Point/Freezing Point	Not Applicable	Vapor Pressure	Negligible
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 30 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	If exposed to water, media may release corrosive liquids and fumes.
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

<i>Table A3.1.2 (p. 270) G.H.S. of Classifying and Labeling Chemicals; Sixth Revised Edition</i>			
	HAZARD CLASS	HEALTH HAZARD STATEMENT	CATEGORY
(a.)	Acute Toxicity, Oral	HARMFUL IF SWALLOWED	4
(b.)	Skin corrosion/irritation	CAUSES SKIN IRRITATION	2
(c.)	Serious Eye Damage/eye irritation	CAUSES SERIOUS EYE DAMAGE	1
(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	Category 2 - May cause damage to the respiratory system through prolonged or repeated exposure.	
(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

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/L EC50
	Species	Test Results	
Potassium Permanganate (7722-64-7) Aquatic Fish LC50	Bluegill	2.7 mg/l, 96 hours, static	
		2.3 mg/l, 96 hrs., flow through	
		2.3 mg/l, 96 hrs.	
		1.8 - 5.6 mg/l	
	Carp (<i>Cyprinus carpio</i>)	3.16 - 3.77 mg/l, 96 hrs.	
	Goldfish (<i>Carassius auratus</i>)	2.97 - 3.11 mg/l, 96 hrs.	
	Milkfish, salmon-herring (<i>Chanos chanos</i>)	3.3 - 3.93 mg/l, 96 hrs, static	
	Rainbow trout (<i>Oncorhynchus mykiss</i>)	>1.4 mg/l, 96 hrs.	
	Rainbow trout, donaldson trout (<i>Oncorhynchus mykiss</i>)	1.8 mg/l, 96 hrs.	
		1.08 - 4.38 mg/l, 96 hrs.	
		0.77 - 1.27 mg/l, 96 hrs.	
		0.275 - 0.339 mg/l, 96 hrs.	
Sodium Chlorite 7758-19-2	---	100 - 500: 96 h <i>Brachydanio rerio</i> mg/L LC50 static 100: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 100: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static	0.026: 48 h <i>Daphnia magna</i> mg/L EC50 0.25 - 0.33: 48 h <i>Daphnia magna</i> mg/L EC50 Flow through 0.012 - 0.018: 48 h <i>Daphnia magna</i> mg/L EC50 Static

PERSISTENCE & BIODEGRADATION

Expected to be readily converted by oxidizable materials to insoluble manganese oxide

BIOACCUMULATIVE POTENTIAL

Potential to bioaccumulate is low.

MOBILITY IN SOIL

This product is miscible with water. May spread in water systems.

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. Do not allow this material to drain into sewers or water supplies.

14. TRANSPORT INFORMATION
DOT

Not regulated.

15. REGULATORY INFORMATION

US REGULATIONS

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200
 All components are on the U.S. EPA TSCA Inventory List

Potassium Permanganate (7722-64-7)	
CERCLA/SARA RQ	Not Applicable
TSCA Section 12(b)	Not Regulated
SARA Act of 1986	Immediate Hazard - Yes, Delayed Hazard - Yes, Fire Hazard - Yes, Pressure Hazard - No, Reactivity Hazard - No
SARA 302 Extremely Hazardous Substance	No
SARA 311/312 Hazardous chemical	No
CAA Section 112* (40 CFR 68.130)	Hazardous substance
Safe Drinking Water Act	Not Regulated
FDA	Not Regulated
Sodium Chlorite (7758-19-2)	
CWA (CLEAN WATER ACT)	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)
CERCLA	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
SARA 311/312	Acute Health Hazard

INTERNATIONAL INVENTORIES

Sodium Chlorite (7758-19-2)			
TSCA	United States Toxic Substances Control Act Section 8(b) Inventory	COMPLIES	This product is not subject to export notification.
DSL/NDSL	Canadian Domestic Substances List/Non-Domestic Substances List	COMPONENT	DSL NDSL
		Zeolite 12173-10-3	NS - Not Subject/Naturally occurring substances
		Technical Sodium Chlorite 7758-19-2	Listed —
	Other Ingredients	Listed	—
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances	COMPLIES	---
AICS	Australian Inventory of Chemical Substances	COMPLIES	---
Potassium Permanganate (7722-64-7)			
COUNTRY	INVENTORY NAME		LISTED
AUSTRALIA	Australiian Inventory of Chemical Substances (AICS)		YES
CANADA	Domestic Substances List		YES
CANADA	Non-Domestic Substances List		No
CHINA	Inventory of Existing Chmical Substances in China (IECSC)		YES
EUROPE	European Inventory of Existing Commercial Chemical Substances		No
EUROPE	European List of Notified Chemical Substances (ELINCS)		YES
JAPAN	Inventory of Existing and New Chemical Substances (ENIS)		YES
KOREA	Existing Chemicals List		YES
NEW ZEALAND	New Zealand Inventory		YES
PHILLIPINES	Phillippne Inventory of Chemicals and Chemical Substances (PICCS)		YES



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