

1. PRODUCT AND COMPANY IDENTIFICATION

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

REVISION DATE September 5, 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 KennelSol APS™ Shock ClO2 Part B

SYNONYMS ZF Impregnate, Acid Acitvator, Part B, Shock

RECOMMENDED USES HVAC, Animal Care Facility Deodorizer

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 Yellow-Orange to Brown

PHYSICAL STATE Solid

APPEARANCE Granules

ODOR Slight odor of hydrochloric acid

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 SERIOUS EYE IRRITATION	2A
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
Ferric Chloride Hexahydrate	iron trichloride hexahydrate, iron perchloride hexahydrate	10025-77-1	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. 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

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	Yellow-Orange to brown	Water Solubility	1% to 10% at 25° Centigrade
Odor	hydrochloric acid	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	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 SERIOUS EYE IRRITATION	2A
(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 Desmodesmus subspicatus mg/L EC50	1800: 96 h Brachydanio rerio mg/L LC50 semi-static 3200-5600: 96 h Oryzias latipes mg/l LC50 semi-static 1800-3200: 96 h Poecilia reticulata mg/l Lc50 semi-static.	1000-1800: 48 h Daphnia magna mg/LEC50	
Chemical Name	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Iron(III) Chloride hexahydrate	Not Listed	22 mg/l 96H (anh subst)	Not Listed	9.6 mg/l 48H (anh subst)
Iron(III) Chloride	Not Listed	LC50: = 75.6 MG/l, 96h static (Grambusia affinis) LC50: 20.95 - 22.56 mg/L 96h semi-static (Pimephales promelas) LC50: = 20.26 mg/L, 96h semi-static (Lepomis macrochirus)	Not Listed	EC50: = 9.6 mg/L, 48h Static (Daphnia magna) EC50: = 27.9 mg/L, 48h (Daphnia magna)

BIODEGRADATION

No data available.

PERSISTENCE

May persist based on information available.

BIOACCUMULATIVE POTENTIAL

This material will not bioaccumulate.

MOBILITY IN SOIL

Will likely be mobile in the environment due to its water solubility.

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

Chemical Name	Ferric Chloride Hexahydrate 10025-77-1				
REPORTABLE QUANTITY (RQ)	RQ 5000 lb final RQ RQ 2270 kg final RQ				
CERCLA/SARA RQ	---				
HAZARDOUS SUBSTANCES RQs	5000 lb				
SARA 313	This material does not contain any chemical components that exceed the threshold reporting levels established by SARA Title III, Section 313.				
SARA 311/312	Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
	Yes	Yes	No	No	No

STATE REGULATIONS

Component	Ferric Chloride Hexahydrate 10025-77-1
CA Proposition 65	This product does not contain any chemicals known to State of CA to cause cancer, birth defects, or any other reproductive harm.
PCP REGISTRATION	NOT REGISTERED
PA Right to Know Hazardous Substance List	LISTED
MA Right to Know Hazardous Substance List	LISTED
NJ Right to Know Hazardous Substance List	LISTED

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