

1. Product and Company Identification

Product Code: 200801
Product Name: FC-290
Company Name: IBA
27 Providence Rd.
Millbury, MA 01527
Phone Number: 1 (508)865-6911
Emergency Contact: Chemtrec 1 (800)424-9300

2. Hazards Identification

Skin Corrosion/Irritation, Category 1B
Serious Eye Damage/Eye Irritation, Category 1
Acute Toxicity: Oral, Category 4
Corrosive To Metals, Category 1



GHS Signal Word: **Danger**

GHS Hazard Phrases: Causes severe skin burns and eye damage .
Harmful if swallowed.
May be corrosive to metals.

GHS Precaution Phrases: Keep out of reach of children.
Read label before use.
Do not breathe dust/fume/gas/mist/vapours/spray.
Do not get in eyes, on skin, or on clothing.
Wear rubber gloves, chemical goggles, face shield and rubber apron.
Wash hands thoroughly after handling.
Take any precaution to avoid mixing with chlorinated products.

GHS Response Phrases: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Get immediate medical advice/attention.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.
IF ON SKIN: Remove immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get immediate medical advice/attention.

Medical and Transportation Emergencies contact Chemtrec 1-800-424-9300.

GHS Storage and Disposal Phrases: Store locked up.
Dispose of contents/container in accordance to local, state and federal regulations.

Hazard Rating System:

HEALTH		3
FLAMMABILITY		0
PHYSICAL		0
PPE		D

HMIS:

Potential Health Effects
(Acute and Chronic):

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7664-38-2	Phosphoric acid	5.0 - 10 %
7664-93-9	Sulfuric acid	5.0 - 15 %

4. First Aid Measures

Emergency and First Aid Procedures:	No data available.
In Case of Inhalation:	Immediately move victim to fresh air. If experiencing respiratory symptoms: Get immediate medical advice/attention.
In Case of Skin Contact:	Flush thoroughly with fresh, tepid water for 15 minutes. Discard contaminated clothing and footwear or wash before reuse. If skin irritation occurs: Get medical advice/attention.
In Case of Eye Contact:	Immediately flush eyes with large amounts of fresh, tepid water for at least 15 minutes. Hold eyelids open to ensure complete irrigation of eye and lid tissues. Tilt head to the side and irrigate the eye from the bridge of the nose to the outside of the face. Keep run-off from entering the other eye, mouth or ear. Washing eye within the first few seconds is essential to achieve maximum effectiveness. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
In Case of Ingestion:	Do not induce vomiting. Rinse mouth with fresh, Tepid water, than immediately drink 4-8 oz. or milk or water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep airways open. Keep head lower than hips to prevent aspiration into the lungs. Get medical advice/attention.

5. Fire Fighting Measures

Flash Pt:	No data.	
Explosive Limits:	LEL: No data.	UEL: No data.
Autoignition Pt:	No data.	
Suitable Extinguishing Media:	Use foam, dry chemical, or carbon dioxide. Do NOT get water inside containers.	
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.	
Flammable Properties and Hazards:	No data available.	

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:	Goggles and face shield. Rubber gloves. Wear chemical protective clothing. NIOSH/MSHA approved respirator. Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling. Provide mechanical ventilation to disperse or ventilate the area with fresh air.
Steps To Be Taken In Case Material Is Released Or Spilled:	Absorb spill with inert material (e.g. dry sand or earth), and dispose of in accordance with applicable regulations.

7. Handling and Storage

Precautions To Be Taken in Handling:	For industrial or institutional use only.
Precautions To Be Taken in Storing:	Store away from incompatible substances. Keep from freezing.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7664-38-2	Phosphoric acid	PEL: 1 mg/m ³	TLV: 1 mg/m ³ STEL: 3 mg/m ³	No data.
7664-93-9	Sulfuric acid	PEL: 1 mg/m ³	TLV: (1 mg/m ³) STEL: (3 mg/m ³)	No data.

Respiratory Equipment (Specify Type):	A respirator is not needed under normal and intended conditions of product use.
Eye Protection:	Goggles and face shield.
Protective Gloves:	Rubber gloves.
Other Protective Clothing:	Wear chemical protective clothing. Chemical resistant apron.
Engineering Controls (Ventilation etc.):	Handle in accordance with good industrial hygiene and safety practice. In a well ventilated area. Wash hands before breaks and at the end of workday.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid	
Appearance and Odor:	Appearance: Clear. Red. Liquid. Odor: Acid-like.	
Melting Point:	No data.	
Boiling Point:	No data.	
Autoignition Pt:	No data.	
Flash Pt:	No data.	
Explosive Limits:	LEL: No data.	UEL: No data.
Specific Gravity (Water = 1):	1.080 - 1.100	
Vapor Pressure (vs. Air or mm Hg):	No data.	
Vapor Density (vs. Air = 1):	No data.	
Evaporation Rate:	No data.	
Solubility in Water:	No data.	

Percent Volatile: No data.

10. Stability and Reactivity

Reactivity: Contact with chlorine liberates very toxic gas.

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Avoid handling conditions which may allow for leaks and spills of this material. Do not permit personnel to handle this product without proper training and/or protective equipment.

Incompatibility - Materials To Avoid: Avoid contact with alkalis and chlorine products. Avoid contact with materials such as aluminum, tin, zinc, and alloys containing these materials.

Hazardous Decomposition Or Byproducts: No data available.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: Inhalation, Eye contact, Skin contact, Ingestion

Irritation or Corrosion:
 Eyes: Causes serious eye damage.
 Skin: Causes severe skin irritation.
 Ingestion: Causes digestive tract burns.
 Inhalation: May cause nose, throat, and lung irritation

Symptoms related to Toxicological Characteristics:
 Eyes: Redness, Pain, Corrosion.
 Skin: Redness, Pain, Corrosion.
 Ingestion: Corrosion, Abdominal pain
 Inhalation: Respiratory irritation, cough

Chronic Toxicological Effects: Improper use or misting of Sulfuric Acid products may be cancer causing if inhaled.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7664-38-2	Phosphoric acid	n.a.	n.a.	n.a.	n.a.
7664-93-9	Sulfuric acid	Known	n.a.	A2	n.a.

12. Ecological Information

General Ecological Information: May be harmful to aquatic life.

13. Disposal Considerations

Waste Disposal Method: Dispose of contents/container in accordance to local, state and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: liquid, acidic, inorganic, n.o.s. (Phosphoric acid, Sulfuric acid)
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN3264 **Packing Group:** II

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7664-38-2	Phosphoric acid	No	Yes 5000 LB	No
7664-93-9	Sulfuric acid	Yes 1000 LB	Yes 1000 LB	Yes

CAS # Hazardous Components (Chemical Name)

Other US EPA or State Lists

7664-38-2	Phosphoric acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ EHS: Yes - 1805; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes
7664-93-9	Sulfuric acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: Yes; NJ EHS: Yes - 1761; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes

16. Other Information

Revision Date: 12/17/2014

Additional Information About This Product: Company's Disclaimer: While IBA believes this statement set forth herein are accurate as of the date hereof, IBA makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation and verification.