

1. Product and Company Identification

Product Code: 170918
Product Name: FC-518 EX 2
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

Corrosive To Metals, Category 1
Acute Toxicity: Oral, Category 4
Skin Corrosion/Irritation, Category 1A-1C
Serious Eye Damage/Eye Irritation, Category 1
Aquatic Toxicity (Acute), Category 2



GHS Signal Word: **Danger**

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

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

GHS Response Phrases: 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. Wash with plenty of water for 15 minutes. 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 medical advice/attention.
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.

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

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

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
1310-73-2	Sodium hydroxide	<5.0 %
7681-52-9	Sodium hypochlorite	1.0 - 5.0 %
1310-58-3	Potassium hydroxide	5.0 - 15 %
7320-34-5	Potassium pyrophosphate	<1.0 %
7758-29-4	Sodium phosphate, Tribasic	1.0 %

4. First Aid Measures

Emergency and First Aid Procedures:	No data available.
In Case of Inhalation:	Remove person to fresh air and keep comfortable for breathing. 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:	Dry chemical, CO2, sand, earth, water spray or regular foam.	
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
1310-73-2	Sodium hydroxide	PEL: 2 mg/m3	CEIL: 2 mg/m3	No data.
7681-52-9	Sodium hypochlorite	No data.	No data.	No data.
1310-58-3	Potassium hydroxide	No data.	CEIL: 2 mg/m3	No data.
7320-34-5	Potassium pyrophosphate	No data.	No data.	No data.
7758-29-4	Sodium phosphate, Tribasic	No data.	No data.	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. yellow. Liquid.
Odor: chlorine-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): 1.205 - 1.220

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Evaporation Rate: No data.

Solubility in Water: 100%

pH: Alk.
Percent Volatile: No data.

10. Stability and Reactivity

Reactivity: Avoid contact with acidic or ammonia products.
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 acidic and ammonia products.
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
Irritation or Corrosion: Eyes: Causes serious eye damage.
Skin: Causes severe skin burns.
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

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
1310-73-2	Sodium hydroxide	n.a.	n.a.	n.a.	n.a.
7681-52-9	Sodium hypochlorite	n.a.	n.a.	n.a.	n.a.
1310-58-3	Potassium hydroxide	n.a.	n.a.	n.a.	n.a.
7320-34-5	Potassium pyrophosphate	n.a.	n.a.	n.a.	n.a.
7758-29-4	Sodium phosphate, Tribasic	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information: 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: Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide, Sodium hypochlorite, Potassium hydroxide)

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: UN3266 **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)
1310-73-2	Sodium hydroxide	No	Yes 1000 LB	No
7681-52-9	Sodium hypochlorite	No	Yes 100 LB	No
1310-58-3	Potassium hydroxide	No	Yes 1000 LB	No
7320-34-5	Potassium pyrophosphate	No	No	No
7758-29-4	Sodium phosphate, Tribasic	No	Yes 5000 LB	No

CAS # Hazardous Components (Chemical Name)

Other US EPA or State Lists

1310-73-2	Sodium hydroxide	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 - 1706; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes
7681-52-9	Sodium hypochlorite	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ EHS: Yes - 1707; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: No; WI Air: No
1310-58-3	Potassium hydroxide	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ EHS: Yes - 1571; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: No; WI Air: Yes
7320-34-5	Potassium pyrophosphate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
7758-29-4	Sodium phosphate, Tribasic	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ EHS: No; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: No; WI Air: No

16. Other Information

Revision Date: 12/29/2014

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.