



## 1. Product and Company Identification

**Product Code:** 170918  
**Product Name:** FC-518 EX 2  
**Company Name:** IBA  
103 Gilmore Drive  
Sutton, MA 01590  
**Phone Number:** 1 (508)865-6911  
**Emergency Contact:** Chemtrec 1 (800)424-9300  
**Information:** IBA 1 (508)865-6911

## 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 Precautionary 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.



### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	<5.0 %
7681-52-9	Sodium hypochlorite {Hypochlorous acid, sodium salt}	1.0 - 5.0 %
1310-58-3	Potassium hydroxide {Caustic potash}	5.0 - 15 %
7320-34-5	Potassium pyrophosphate {Diphosphoric acid, tetrapotassium salt; Tetrapotassium pyrophosphate}	<1.0 %
7758-29-4	Sodium phosphate, Tribasic {Pentasodium triphosphate}	1.0 %

### 4. First Aid Measures

#### Emergency and First Aid Procedures:

- 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:**

**Explosive Limits:** LEL: UEL:

**Autoignition Pt:**

**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:**

**Hazardous Combustion**

**Products:**



## 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 {Caustic soda; Lye solution}	PEL: 2 mg/m3	CEIL: 2 mg/m3	
7681-52-9	Sodium hypochlorite {Hypochlorous acid, sodium salt}			
1310-58-3	Potassium hydroxide {Caustic potash}		CEIL: 2 mg/m3	
7320-34-5	Potassium pyrophosphate {Diphosphoric acid, tetrapotassium salt; Tetrapotassium pyrophosphate}			
7758-29-4	Sodium phosphate, Tribasic {Pentasodium triphosphate}			

**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.

**pH:**

Alk.

**Melting Point:**

**Boiling Point:**

**Flash Pt:**

**Evaporation Rate:**

**Flammability (solid, gas):**

**Explosive Limits:**

LEL:

UEL:

**Vapor Pressure (vs. Air or  
mm Hg):**

**Vapor Density (vs. Air = 1):**



**Specific Gravity (Water = 1):** 1.205 - 1.220  
**Solubility in Water:** 100%  
**Octanol/Water Partition Coefficient:**  
**Autoignition Pt:**  
**Decomposition Temperature:**  
**Viscosity:**

## 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:**  
**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Reactions:**

## 11. Toxicological Information

**Toxicological Information:** Inhalation, Eye contact, Skin contact  
CAS# 7758-29-4:  
Acute toxicity, LD50, Oral, Rat, 3120. MG/KG.  
Result:  
Behavioral: Somnolence (general depressed activity).  
Behavioral: Coma.  
- National Technical Information Service, Vol/p/yr: OTS0545589,

**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 {Caustic soda; Lye solution}				
7681-52-9	Sodium hypochlorite {Hypochlorous acid, sodium salt}				
1310-58-3	Potassium hydroxide {Caustic potash}				
7320-34-5	Potassium pyrophosphate {Diphosphoric acid, tetrapotassium salt; Tetrapotassium pyrophosphate}				
7758-29-4	Sodium phosphate, Tribasic {Pentasodium triphosphate}				



## 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.

**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 {Caustic soda; Lye solution}	No	Yes 1000 LB	No
7681-52-9	Sodium hypochlorite {Hypochlorous acid, sodium salt}	No	Yes 100 LB	No
1310-58-3	Potassium hydroxide {Caustic potash}	No	Yes 1000 LB	No
7320-34-5	Potassium pyrophosphate {Diphosphoric acid, tetrapotassium salt; Tetrapotassium pyrophosphate}	No	No	No
7758-29-4	Sodium phosphate, Tribasic {Pentasodium triphosphate}	No	Yes 5000 LB	No

### Other US EPA or State Lists

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	TSCA: Inventory CA TAC, Title 8: TAC: Cat. IIb, Title 8 MA Oil/HazMat MI CMR, Part 5: Part 5 NY Part 597: Yes: HS PA HSL: Yes - E SC TAP WI Air
7681-52-9	Sodium hypochlorite {Hypochlorous acid, sodium salt}	TSCA: Inventory CA TAC, Title 8: Title 8 MA Oil/HazMat MI CMR, Part 5: Part 5 NY Part 597: Yes: HS PA HSL: Yes - E
1310-58-3	Potassium hydroxide {Caustic potash}	TSCA: Inventory CA TAC, Title 8: Title 8 MA Oil/HazMat MI CMR, Part 5: Part 5 NY Part 597: Yes: HS PA HSL: Yes - E WI Air



# SAFETY DATA SHEET

## FC-518 EX 2

7320-34-5	Potassium pyrophosphate {Diphosphoric acid, tetrapotassium salt; Tetrapotassium pyrophosphate}	TSCA: Inventory PA HSL: No
7758-29-4	Sodium phosphate, Tribasic {Pentasodium triphosphate}	TSCA: Inventory CA TAC, Title 8: Title 8 MA Oil/HazMat MI CMR, Part 5: Part 5 PA HSL: Yes - E

### 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.