



1. Product and Company Identification

Product Code: 180944
Product Name: FC 509 P
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

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



GHS Signal Word:

Danger

GHS Hazard Phrases:

Harmful if swallowed.
Causes severe skin burns and eye damage .
Causes serious eye damage.
Toxic to aquatic life.
May be corrosive to metals.

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.
Avoid release to the environment.

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: Remove victim 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}	35 - 45 %
2893-78-9	Sodium dichloro-isocyanate {Dichloroisocyanuric acid, sodium salt}	1.0 - 10 %
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt {Sodium metasilicate (pentahydrate); Metasilicic acid disodium salt}	1.0 - 10 %
497-19-8	Sodium carbonate {Carbonic acid, disodium salt; Soda ash}	5.0 - 15 %

4. First Aid Measures

Emergency and First Aid Procedures:

- In Case of Inhalation:** Immediately move victim to fresh air. If experiencing respiratory symptoms: Get immediate medical advice/attention.
- In Case of Skin Contact:** Brush off loose excess material. 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:**

Wear chemical protective clothing. Rubber gloves. Safety glasses. 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:**

Vacuum or sweep up material and place into a suitable disposal container.

7. Handling and Storage

**Precautions To Be Taken in
Handling:**

For industrial or institutional use only.

**Precautions To Be Taken in
Storing:**

Store in cool, dry area. Store in a tightly closed container. Store away from incompatible material.

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	
2893-78-9	Sodium dichloro-isocyanate {Dichloroisocyanuric acid, sodium salt}	TWA: 5 mg/m3	CEIL: 5 mg/m3 (salts)	
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt {Sodium metasilicate (pentahydrate); Metasilicic acid disodium salt}			
497-19-8	Sodium carbonate {Carbonic acid, disodium salt; Soda ash}			

**Respiratory Equipment
(Specify Type):**

NIOSH/MSHA approved respirator.

Eye Protection:

Safety glasses.

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 [] Liquid [X] Solid

Appearance and Odor:

Appearance: White. Powder.

pH:

12 - 12.8 @ 1%

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):****Solubility in Water:** 100**Octanol/Water Partition****Coefficient:****Autoignition Pt:****Decomposition Temperature:****Viscosity:**

10. Stability and Reactivity

Stability: Unstable [] Stable [X]**Conditions To Avoid -** Keep from getting damp or wet.**Instability:****Incompatibility - Materials To** Avoid contact with acidic and ammonia products.**Avoid:****Hazardous Decomposition or****Byproducts:****Possibility of Hazardous** Will occur [] Will not occur [X]**Reactions:****Conditions To Avoid -****Hazardous Reactions:**

11. Toxicological Information

Toxicological Information: Inhalation, Eye contact, Skin contact

CAS# 497-19-8:

Acute toxicity, LC50, Inhalation, Rat, 2300. MG/M3, 2 H.

Result:

Lungs, Thorax, or Respiration:Dyspnea.

Gastrointestinal:Other changes.

- Environmental Research., Academic Press, Inc., 1 E. First St., Duluth, MN 55802,

Vol/p/yr: 31,138, 1983

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 Eyes: Redness, Pain, Corrosion.**Toxicological Characteristics:** 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}				
2893-78-9	Sodium dichloro-isocyanate {Dichloroisocyanuric acid, sodium salt}				
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt {Sodium metasilicate (pentahydrate); Metasilicic acid disodium salt}				
497-19-8	Sodium carbonate {Carbonic acid, disodium salt; Soda ash}				



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 solid, basic, inorganic, n.o.s. (Sodium hydroxide, Silicic acid (H₂SiO₃), Disodium salt)

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: UN3262 **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
2893-78-9	Sodium dichloro-isocyanate {Dichloroisocyanuric acid, sodium salt}	No	No	Yes-Cat. N106
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt {Sodium metasilicate (pentahydrate); Metasilicic acid disodium salt}	No	No	No
497-19-8	Sodium carbonate {Carbonic acid, disodium salt; Soda ash}	No	No	No

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
2893-78-9	Sodium dichloro-isocyanate {Dichloroisocyanuric acid, sodium salt}	CAA HAP,ODC: Yes - Cat. TSCA: Inventory CA TAC, Title 8: Yes - Cat. MI CMR, Part 5: Yes - Cat. NC TAP: Yes - Cat. NJ EHS: Yes - Cat. PA HSL: Yes - 1 SC TAP: Yes - Cat.
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt {Sodium metasilicate (pentahydrate); Metasilicic acid disodium salt}	TSCA: Inventory PA HSL: No
497-19-8	Sodium carbonate {Carbonic acid, disodium salt; Soda ash}	TSCA: Inventory PA HSL: 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.