SAFETY DATA SHEET

Elite

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Supersedes Revision: 10/21/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: IBAINC-170842

Product Name: Elite

Company Name: IBA, Inc.
103 Gilmore Drive
Sutton, MA 01590

Phone Number:
+1 (508)865-6911

Emergency Contact: CHEMTREC

+1 (800)424-9300

2. HAZARDS IDENTIFICATION

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

GHS Signal Word: **Danger**

GHS Hazard Phrases:
Harmful if swallowed.
Causes severe skin burns and 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/vapors/spray.
Wear rubber gloves, chemical goggles, face shield, and rubber apron.
Take any precaution to avoid mixing with Acid Products and Ammoniated Products...

GHS Response Phrases:
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with plenty of water for 15 minutes.
If skin irritation occurs, get medical attention.
Wash contaminated clothing before reuse.
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 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.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Get immediate medical advice/attention.

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

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Inhalation: Harmful if inhaled. May cause severe irritation of the respiratory tract with sore throat, coughing, shortness of breath and delayed lung edema. May cause burns to the upper respiratory tract and lungs.

Skin Contact: May cause skin irritation. May cause redness and pain. May cause severe burns to the skin. May cause tissue destruction.

Eye Contact: May cause eye irritation. May cause redness and pain. May cause severe burns to the eyes. May cause chemical conjunctivitis and corneal damage. May cause eye damage.

Ingestion: Harmful if swallowed. May cause severe digestive tract irritation with abdominal pain, nausea, vomiting and diarrhea. May cause burns to the gastrointestinal tract. May cause severe and permanent damage to the digestive tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
1310-73-2	Sodium hydroxide	15.0 -20.0 %
7681-52-9	Sodium hypochlorite	1.0 -5.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation: Remove from exposure and move to fresh air immediately. Get medical attention immediately.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid. Wash clothing before reuse.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In Case of Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. If victim is conscious and alert, give 2-4 cupfuls of water. Get medical attention immediately.

Note to Physician: Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Point: NA Method Used: Not Applicable

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: NA

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate 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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Flammable Properties and Hazards: No data available.

Hazardous Combustion Products: No data available.

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: Use proper personal protective equipment as indicated in Section 8.

Environmental Precautions: Do not let product enter drains, sewers, watersheds or water systems. Observe all federal, state, and local environmental regulations.

Steps To Be Taken In Case Material Is Released Or Spilled: Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid breathing vapors, mist or gas.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use with adequate ventilation. Keep container closed. Avoid extremely high temperature.

Precautions To Be Taken in Storing: Store in a cool, dry, well-ventilated area away from incompatible substances. Store in a tightly closed container. Keep container closed when not in use.

Other Precautions: Handle in accordance with good industrial hygiene and safety practice. Keep out of reach of children.

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.	TLV: 0.5 ppm as Cl2 STEL: 1 ppm as Cl2	No data.

Respiratory Equipment (Specify Type): Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Eye Protection: Splash proof safety goggles.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [ ] Gas [X] Liquid [ ] Solid

Appearance and Odor: Clear Yellow Liquid.
chlorine-like.

pH: No data.

Melting Point: NA

Boiling Point: No data.

Flash Point: NA Not Applicable

Evaporation Rate: Not available

Flammability (solid, gas): No data available.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure:	Not available
Vapor Density (vs. Air=1):	Not available
Specific Gravity (Water=1):	1.227 - 1.247
Bulk density:	Not available
Solubility in Water:	No data.
Saturated Vapor Concentration:	Not available
Octanol/Water Partition Coefficient:	No data.
VOC / Volume:	NA
HAP / Volume:	NA
Autoignition Pt:	NA
Decomposition Temperature:	NA
Viscosity:	Not available
Particle Size:	Not available
Heat Value:	Not available
Corrosion Rate:	Not available

10. STABILITY AND REACTIVITY

Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	High temperatures, Incompatible materials, Light.
Incompatibility - Materials To Avoid:	Metals, Acids. ammonia, Strong oxidizing agents.
Hazardous Decomposition or Byproducts:	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, Hydrogen chloride, chlorine, hydrogen gas, and oxides of: sodium.
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information:

Epidemiology: No information available.
Teratogenicity: No information available.
Reproductive Effects: No data available.
Mutagenicity: No information available.
Neurotoxicity: No data available.

CAS# 1310-73-2: Sodium hydroxide: Acute toxicity, LD50, Oral, Rat, 325.0 MG/KG.
CAS# 7681-52-9: Sodium hypochlorite: Acute toxicity, LD50, Oral, Mouse, 5800. MG/KG.
Standard Draize Test, Eyes, Rabbit, 1.310 mg, Mild.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. ECOLOGICAL INFORMATION

General Ecological Information:

Environmental: No information found.
Physical: No information found.

CAS# 1310-73-2: Sodium hydroxide: LC50, Western Mosquitofish (Gambusia affinis), adult(s), 125000. UG/L, 24 H, Mortality.
LC50, Goldfish (Carassius auratus), 160000. UG/L, 24 H, Mortality.
CAS# 7681-52-9: Sodium hypochlorite: LC50, Fathead Minnow (Pimephales promelas), 6300. UG/L, 24 H, Mortality.
LC50, Fathead Minnow (Pimephales promelas), adult(s), 1370. UG/L, 96 H, Mortality.
LC50, Rainbow Trout (Oncorhynchus mykiss), juvenile(s), 600.0 UG/L, 0.50 H.
LC50, Green Algae (Dunaliella primolecta), 400.0 UG/L, Mortality.
Effective concentration to 50% of test organisms., Red Algae (Porphyra yezoensis), 1400. UG/L, 10 D, Growth.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive liquid, basic, inorganic, n.o.s.(Sodium Hydroxide, Sodium Hypochlorite)
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 NA	No
7681-52-9	Sodium hypochlorite	No	Yes NA	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

[ ] Yes [X] No Explosive
[ ] Yes [X] No Flammable (gases, aerosols, liquid, or solid)
[ ] Yes [X] No Oxidizer (liquid, solid or gas)
[ ] Yes [X] No Self-reactive
[ ] Yes [X] No Pyrophoric (liquid or solid)
[ ] Yes [X] No Pyrophoric gas
[ ] Yes [X] No Self-heating
[ ] Yes [X] No Organic peroxide
[X] Yes [ ] No Corrosive to metal
[ ] Yes [X] No Gas under pressure (compressed gas)
[ ] Yes [X] No In contact with water emits flammable gas
[ ] Yes [X] No Combustible Dust
[ ] Yes [X] No (Physical) Hazard Not Otherwise Classified (HNOC)

[X] Yes [ ] No Acute toxicity (any route of exposure)
[X] Yes [ ] No Skin Corrosion or Irritation
[X] Yes [ ] No Serious eye damage or eye irritation
[ ] Yes [X] No Respiratory or Skin Sensitization
[ ] Yes [X] No Germ cell mutagenicity
[ ] Yes [X] No Carcinogenicity
[ ] Yes [X] No Reproductive toxicity
[ ] Yes [X] No Specific target organ toxicity (single or repeated exposure)
[ ] Yes [X] No Aspiration Hazard
[ ] Yes [X] No Simple Asphyxiant
[X] Yes [ ] No (Health) Hazard Not Otherwise Classified (HNOC)

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1310-73-2	Sodium hydroxide	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NJ EHS: No; NY Part 597: Yes: HS; PA HSL: Yes - E
7681-52-9	Sodium hypochlorite	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NJ EHS: No; NY Part 597: Yes: HS; PA HSL: Yes - E

16. OTHER INFORMATION

Revision Date: 04/16/2024 **Previous revision:** 10/21/2015

Additional Information About This Product: No data available.

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