



## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** IBAINC-087-BULK  
**Product Name:** Tuff-E-Nuff  
**Company Name:** IBA, Inc.  
 103 Gilmore Drive  
 Sutton, MA 01590  
**Emergency Contact:** CHEMTREC

**Phone Number:**  
 +1 (508)865-6911  
 +1 (800)424-9300

## 2. HAZARDS IDENTIFICATION

Eye Irritation, Category 2A  
 Acute Toxicity: Oral, Category 4  
 Skin Irritation, Category 2



**GHS Signal Word:** **Warning**

**GHS Hazard Phrases:** Harmful if swallowed.  
 Causes serious eye irritation.

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

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
10213-79-3	Sodium meta silicate	< 5.0 %
68131-39-5	Ethoxylated linear alcohol	< 5.0 %



## 4. FIRST AID MEASURES

### Emergency and First Aid

#### Procedures:

- In Case of Skin Contact:** Flush skin with plenty of water. If skin irritation occurs, get medical advice/attention.
- 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 immediate medical advice/attention.
- 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
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** NA
- Suitable Extinguishing Media:** Use water fog, dry chemical, carbon dioxide, or alcohol-resistant 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:** High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.
- 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:** Observe all federal, state, and local environmental regulations.
- Steps To Be Taken In Case Material Is Released Or Spilled:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

## 7. HANDLING AND STORAGE

- Precautions To Be Taken in Handling:** Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use with adequate ventilation.
- Precautions To Be Taken in Storing:** Store in a tightly closed container. Keep away from acids. Protect containers against damage. Keep container closed when not in use.
- Other Precautions:** Handle in accordance with good industrial hygiene and safety practice.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
10213-79-3	Sodium meta silicate	No data.	No data.	No data.
68131-39-5	Ethoxylated linear alcohol	No data.	No data.	No data.



<b>Respiratory Equipment (Specify Type):</b>	No special respiratory protection equipment is required with normal use.
<b>Eye Protection:</b>	Safety glasses.
<b>Protective Gloves:</b>	Rubber or neoprene gloves.
<b>Other Protective Clothing:</b>	No data available.
<b>Engineering Controls (Ventilation etc.):</b>	No data available.
<b>Work/Hygienic/Maintenance Practices:</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical States:</b>	<input type="checkbox"/> Gas	<input type="checkbox"/> Liquid	<input checked="" type="checkbox"/> Solid
<b>Appearance and Odor:</b>	White. Free flowing granules.		
<b>pH:</b>	10.5 - 12.0 @1% sol		
<b>Melting Point:</b>	NA		
<b>Boiling Point:</b>	NA		
<b>Flash Point:</b>	NA		
<b>Evaporation Rate:</b>	Not available		
<b>Flammability (solid, gas):</b>	No data available.		
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.	
<b>Vapor Pressure:</b>	Not available		
<b>Vapor Density (vs. Air=1):</b>	Not available		
<b>Specific Gravity (Water=1):</b>	No data.		
<b>Solubility in Water:</b>	No data.		
<b>Saturated Vapor Concentration:</b>	Not available		
<b>Octanol/Water Partition Coefficient:</b>	No data.		
<b>Autoignition Pt:</b>	NA		
<b>Decomposition Temperature:</b>	NA		
<b>Viscosity:</b>	Not available		

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.
<b>Stability:</b>	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>
<b>Conditions To Avoid - Instability:</b>	Incompatible materials, High temperatures, Light.
<b>Incompatibility - Materials To Avoid:</b>	Strong acids.
<b>Hazardous Decomposition or Byproducts:</b>	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:** Epidemiology: No information found.  
Teratogenicity: No information available.  
Reproductive Effects: No information available.  
Mutagenicity: No information available.  
Neurotoxicity: Acute toxicity. No data available.  
Respiratory or skin sensitization: No information available.

CAS# 68131-39-5: Ethoxylated linear alcohol: Acute toxicity, LD50, Dermal, Rat, 5000. MG/KG.  
Acute toxicity, LD50, Oral, Rat, 1650. MG/KG.

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

**12. ECOLOGICAL INFORMATION**

**General Ecological Information:** CAS# 68131-39-5: Ethoxylated linear alcohol: LC50, Fathead Minnow (Pimephales promelas), 1.300 MG/L, 144 H, Mortality.

**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.

**14. TRANSPORT INFORMATION**

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated.

**DOT Hazard Class:**

**UN/NA Number:**

**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)
10213-79-3	Sodium meta silicate	No	No	No
68131-39-5	Ethoxylated linear alcohol	No	No	No

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

[ ] Yes [X] No Explosive	[X] Yes [ ] No Acute toxicity (any route of exposure)
[ ] Yes [X] No Flammable (gases, aerosols, liquid, or solid)	[X] Yes [ ] No Skin Corrosion or Irritation
[ ] Yes [X] No Oxidizer (liquid, solid or gas)	[X] Yes [ ] No Serious eye damage or eye irritation
[ ] Yes [X] No Self-reactive	[ ] Yes [X] No Respiratory or Skin Sensitization
[ ] Yes [X] No Pyrophoric (liquid or solid)	[ ] Yes [X] No Germ cell mutagenicity
[ ] Yes [X] No Pyrophoric gas	[ ] Yes [X] No Carcinogenicity
[ ] Yes [X] No Self-heating	[ ] Yes [X] No Reproductive toxicity

# SAFETY DATA SHEET

## Tuff-E-Nuff

Printed: 04/23/2024

Revision: 04/19/2024

Supersedes Revision: 01/21/2015



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|---|---|---|--|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Organic peroxide                                  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Specific target organ toxicity (single or repeated exposure) |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Corrosive to metal                                | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Aspiration Hazard  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Gas under pressure (compressed gas)               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Simple Asphyxiant  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | In contact with water emits flammable gas         | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | (Health) Hazard Not Otherwise Classified (HNOC)              |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Combustible Dust                                  |   |  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | (Physical) Hazard Not Otherwise Classified (HNOC) |   |  |

CAS #	Hazardous Components (Chemical Name)
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10213-79-3	Sodium meta silicate
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68131-39-5	Ethoxylated linear alcohol
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Other US EPA or State Lists
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CWA NPDES: No; TSCA: No; CA PROP.65: No; MA
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Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
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CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
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## 16. OTHER INFORMATION

<b>Revision Date:</b> 04/19/2024	<b>Previous revision:</b> 01/21/2015
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**Additional Information About This Product:** No data available.

**Company Policy or Disclaimer:**

While IBA Inc. believes the statements set forth herein are accurate as of the date hereof, IBA Inc. 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.