

## 1. Product and Company Identification

<b>Product Code:</b>	231110	
<b>Product Name:</b>	Tuff-E-Nuff	
<b>Company Name:</b>	IBA	<b>Phone Number:</b>
	27 Providence Rd.	1 (508)865-6911
	Millbury, MA 01527	
<b>Emergency Contact:</b>	Chemtrec	1 (800)424-9300

## 2. Hazards Identification

**Serious Eye Damage/Eye Irritation, Category 2A**  
**Acute Toxicity: Oral, Category 4**  
**Target Organ Systemic Toxicity (single exposure), Category 3**



<b>GHS Signal Word:</b>	<b>Warning</b>
<b>GHS Hazard Phrases:</b>	May cause respiratory irritation. Causes serious eye irritation. Harmful if swallowed.
<b>GHS Precaution Phrases:</b>	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, and rubber apron. Take precautions to avoid mixing with acid products and ammoniated products. Avoid release to the environment.
<b>GHS Response Phrases:</b>	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 immediate 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
<b>GHS Storage and Disposal Phrases:</b>	Dispose of contents/container in accordance to local, state and federal regulations. Store locked up.

Hazard Rating System:

<b>HEALTH</b>		<b>2</b>
<b>FLAMMABILITY</b>		<b>0</b>
<b>PHYSICAL</b>		<b>0</b>
<b>PPE</b>		<b>E</b>

HMIS:

Potential Health Effects  
(Acute and Chronic):

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
6834-92-0	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), Disodium salt	1.0 - 10 %
497-19-8	Sodium carbonate	35 - 40 %

### 4. First Aid Measures

<b>Emergency and First Aid Procedures:</b>	No data available.
<b>In Case of Inhalation:</b>	Immediately move victim to fresh air. If experiencing respiratory symptoms: Get medical advice/attention.
<b>In Case of Skin Contact:</b>	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.
<b>In Case of Eye Contact:</b>	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.
<b>In Case of Ingestion:</b>	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

<b>Flash Pt:</b>	No data.	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Autoignition Pt:</b>	No data.	
<b>Suitable Extinguishing Media:</b>	Dry chemical, CO <sub>2</sub> , sand, earth, water spray or regular foam.	
<b>Fire Fighting Instructions:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.	
<b>Flammable Properties and Hazards:</b>	No data available.	

### 6. Accidental Release Measures

**Protective Precautions, Protective Equipment and Emergency Procedures:** Rubber or neoprene gloves, Safety glasses. NIOSH/MSHA approved respirator. Wear chemical protective clothing.

**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:** Keep container closed when not in use. Store in a cool, dry place. Store away from incompatible material

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
6834-92-0	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), Disodium salt	No data.	No data.	No data.
497-19-8	Sodium carbonate	No data.	No data.	No data.

**Respiratory Equipment (Specify Type):** NIOSH/MSHA approved respirator

**Eye Protection:** Safety glasses

**Protective Gloves:** Rubber or neoprene gloves

**Other Protective Clothing:** Wear chemical protective clothing.

**Engineering Controls (Ventilation etc.):** No data available.

### 9. Physical and Chemical Properties

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

**Appearance and Odor:** Appearance: White with yellow tinge Powder  
Odor: Lemon scent odor

**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):** No data.

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

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

**Evaporation Rate:** No data.

**Solubility in Water:** 100

**Percent Volatile:** No data.

## 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** Keep from getting damp or wet. Avoid handling conditions which may allow for spills of this material.

**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 irritation.

Skin: Health injuries are not known or expected under normal use.

Ingestion: Health injuries are not known or expected under normal use.

Inhalation: May cause nose, throat, and lung irritation

**Symptoms related to Toxicological Characteristics:**

Eyes: Redness, pain, irritation.  
Skin: No symptoms known or expected.  
Ingestion: No symptoms known or expected.  
Inhalation: Respiratory irritation, cough

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
6834-92-0	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), Disodium salt	n.a.	n.a.	n.a.	n.a.
497-19-8	Sodium carbonate	n.a.	n.a.	n.a.	n.a.

## 12. Ecological Information

**General Ecological Information:** This product has no known ecotoxicological effects.

## 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:** Compound Cleaner, 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)
6834-92-0	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), Disodium salt	No	No	No
497-19-8	Sodium carbonate	No	No	No

### CAS # Hazardous Components (Chemical Name)

### Other US EPA or State Lists

6834-92-0	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), Disodium salt	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
497-19-8	Sodium carbonate	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

## 16. Other Information

**Revision Date:** 01/21/2015

**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.