

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **BOOSTER**

Description: Laundry Booster

Product Code: AC-Laundry Booster

Suggested Use: N/A

Restrictions on Use: N/A

Supplier: Accurate Chemical  
731 W. Fairmont Dr.  
Tempe AZ 85282

Telephone: 1-800-870-8508

Fax:

Emergency Phone: CHEMTREC 1-800-424-9300  
International 1-703-527-3887

*tele 060*

## 2. HAZARDS IDENTIFICATION

### Classification

GHS Classification: Corrosive to Metals (Category 1)  
Acute Oral Toxicity (Category 4)  
Skin Corrosion (Category 1B)  
Serious Eye Damage (Category 1)

### GHS Label Elements

Pictogram:



Signal Word:

Danger

Hazard Statements:

H290: May be corrosive to metals  
H302: Harmful if swallowed  
H314: Causes severe skin burns and eye damage  
H318: Causes serious eye damage

Precautionary Statements:

P234: Keep only in original container.  
P260: Do not breathe dust/fumes/gas/mist/vapors/spray.  
P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink, or smoke when using this product.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P301+P330+P331+P311: IF SWALLOWED: Spit out dry material. Rinse mouth with plenty of water. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician.  
P303+P361+P353+P313: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention.

P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor/physician.  
P362: Take off contaminated clothing and wash before reuse.  
P390: Absorb spillage to prevent material damage.  
P404+P405: Store in a closed container. Store locked up.  
P501: Dispose of contents and container in accordance with all local, regional, national, and international regulations.

HMIS Classification: Health Hazard: 3  
Flammability: 0  
Physical Hazards: 0

NFPA Rating: Health Hazard: 3  
Fire: 0  
Reactivity Hazard: 0

#### Potential Health Effects

Inhalation: Inhalation of dusts may cause respiratory irritation or injury.  
Skin: Contact can cause serious irritation or burning. Avoid contact.  
Eyes: Causes serious eye irritation or damage. Avoid exposure of dust and powder.  
Ingestion: Material is harmful if swallowed. Do not ingest.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS Number</u>	<u>Concentration</u>
Sodium Metasilicate Pentahydrate	10213-79-3	>95%
Synonyms:	Silicic Acid, Disodium Salt, Pentahydrate; Na <sub>2</sub> O <sub>3</sub> Si•5H <sub>2</sub> O	

### 4. FIRST AID MEASURES

If Inhaled: If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician if symptoms are experienced.  
Skin Contact: Flush skin with plenty of water. Remove contaminated clothing and shoes. If irritation persists, consult a physician.  
Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if able to do so. Get medical attention/advice.  
If Ingested: Do not induce vomiting unless instructed to do so by a physician. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 5. FIREFIGHTING MEASURES

Flammability Overview: Considered a low flammability risk.  
Flash Point: N/A

Extinguishing Media: Use water-spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Tailor extinguishing media to surrounding fire.

Special Protective Equipment for Firefighters: Wear a self-contained breathing apparatus (SCBA) for fighting large fires.

Hazardous Combustion Products: N/A

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Use only non-sparking tools. Avoid inhalation of dust from the spilled material. No action should be taken involving any personal risk or without suitable training.

Environmental Precautions: If safe to do so, avoid the dispersal of spilled material and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution. This material is known to be hazardous to the aquatic environment. Collect spillage.

Containment and Clean Up: If safe to do so, stop the leak or spill. Eliminate all ignition sources. Avoid dispersal of dust in the air. Collect spilled material with a clean shovel and place material in a container for disposal according to local regulations. If sweeping is necessary, use a dust suppressant agent which does not react with the products. If assistance is needed call CHEMTREC or emergency services.

## 7. HANDLING AND STORAGE

Safe Handling: Use caution while handling—Material is corrosive. Use appropriate personal protective equipment. Handle in a well-ventilated area. Handle in a manner consistent with good industrial/manufacturing techniques and practices. Wash hands thoroughly with soap and water after use. Remove contaminated clothing and protective equipment before entering eating areas. Avoid the creation of airborne dust.

Safe Storage: Keep containers tightly closed in a cool, dry, well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials. Guard against dust accumulation of this material. Material will absorb moisture from the air.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limits

Component	CAS Number	Exposure Limit	Basis
Sodium Metasilicate Pentahydrate	10213-79-3	2 mg/m <sup>3</sup> TWA	Recommended by analogy to Sodium Hydroxide

### Personal Protective Equipment

---

Eye Protection:	Tightly fitting safety goggles or safety glasses with full face-shield should be sufficient. Have eye-wash stations available where eye contact can occur.
Hand Protection:	Handle with chemical-resistant gloves. Gloves must be inspected prior to use. Dispose of contaminated gloves. Wash and dry hands after use.
Skin Protection:	Wear long sleeves, a chemical apron, or other protective clothing to prevent skin contact. Safety showers should be located in the areas where skin contact can occur.
Respiratory Protection:	Always ensure adequate ventilation. A dust mask is recommended for applications where dust or powder will cause inhalation hazards. Where risk assessment shows air-purifying respirators are appropriate, use a NIOSH-approved full-face respirator with appropriate cartridges. Respiratory protection must be provided in accordance with OSHA 29 CFR 1910.134.
General Controls:	Always ensure adequate ventilation and that working areas contain safety showers and eye wash stations. Handle material in accordance with good industrial hygiene and safety practices.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid (Granules)
Appearance:	White
Odor:	None
Odor Threshold:	N/A
pH (1%):	>13
Melting/Freezing Point:	>999°C (1830°F)
Boiling Point:	>999°C (1830°F)
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (solid, gas):	N/A
Flammability/Explosion Limits:	N/A
Vapor Pressure @ 20°C:	N/A
Vapor Density:	N/A
Specific Gravity:	N/A
Density:	50 lbs/ft <sup>3</sup> (Bulk/Untamped)
Solubility in Water:	Soluble
Partition Coefficient:	N/A
Autoignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A

---

## 10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under recommended storage conditions. Incompatible with metals.
Conditions and Materials to Avoid:	Aqueous solutions will react with aluminum, zinc, tin and their alloys evolving hydrogen gas which can form an explosive mixture with air. Can react violently if in contact with acids. Can react with sugar residues to form carbon monoxide.

Hazardous Decomposition Products: N/A

**11. TOXICOLOGICAL INFORMATION**
**Acute Toxicity**

Component	CAS Number	Test	Toxicity
Sodium Metasilicate Pentahydrate	10213-79-3	Oral LD50 (Rat)	1100-1350 mg/kg
		Dermal LD50 (Rat)	>5000 mg/kg
		Inhalation LC50 (Rat)	>2.06 g/m <sup>3</sup>

**Potential Health Effects**

Inhalation: Inhalation of dusts may cause respiratory irritation or injury.  
 Skin: Contact can cause serious irritation or burning. Avoid contact.  
 Eyes: Causes serious eye irritation or damage. Avoid exposure of dust and powder.  
 Ingestion: Material is harmful if swallowed. Do not ingest.

Signs and Symptoms of Exposure: Irritation. Redness. Watering Eyes. Burning.

Chronic Effects of Long-term Exposure: No known significant effects or critical hazards.

Carcinogenicity: No component of this product at levels greater than 0.1% is identified as carcinogenic by IARC, NTP, ACGIH, or OSHA.

Mutagenicity: No known significant effects or critical hazards.

**12. ECOLOGICAL INFORMATION**
**Acute Ecotoxicity**

Component	CAS Number	Organism	Ecotoxicity
Sodium Metasilicate Pentahydrate	10213-79-3	Brachydanio rerio	96 hr LC50 > 200 mg/l
		Daphnia magna	48 hr EC50 > 1000 mg/l

**Ecological Effects**

Persistence and Degradability: Inorganic. Soluble silicates, upon dilution, rapidly depolymerise into molecular species indistinguishable from natural dissolved silica.

Bioaccumulation Potential: Inorganic. This substance has no potential for bioaccumulation.

Mobility in Soil: N/A

Other Adverse Effects: High pH may effect aquatic ecosystems. Dispose of material properly.

---

**13. DISPOSAL CONSIDERATIONS**

Disposal:	The generation of waste should be avoided or minimized wherever possible. Material should be disposed of in accordance with all local, state, and federal regulations. Regulations vary by region. Avoid release into the soil, sewers, drains, and waterways.
Contaminated Packaging:	Waste packaging should be recycled or reused whenever possible. If recycling is not feasible, contaminated packaging should be disposed of in accordance with all local, state, and federal regulations. Regulations vary by region.

---

**14. TRANSPORT INFORMATION****DOT Information**

Proper Shipping Name:	Disodium Trioxosilicate
UN Number:	UN3253
Hazard Class:	8
Packing Group:	III
Reportable Quantity (RQ):	N/A
Marine Pollutant:	No
Note:	Regulated for ground transport.

---

**15. REGULATORY INFORMATION****US Federal**

SARA 302 Components:	None Listed
SARA 311/312 Hazards:	Acute Health Hazard
SARA 313 Components:	None Listed
TSCA Inventory:	All components listed or exempted.

**European Union**

EC Inventory:	229-912-9
---------------	-----------

**State Regulations**

CA Prop 65:	None Listed
-------------	-------------

---

**16. OTHER INFORMATION**

SDS Version:	1.0
Revision Date:	08/01/2015
Supersedes:	New to GHS



---

The information contained in this document was carefully compiled and is believed to be accurate. The information represents the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. However, it does not represent any guarantee of the properties of the product. Norman, Fox & Co. shall not be held liable for any damages resulting from handling or from contact with the above product. It is the responsibility of the purchaser to determine the suitability of the product for their particular purposes. Nothing contained herein shall be construed to be a recommendation to use, or as a license to operate under, or to infringe any existing patents.

For product information or to re-order, call Accurate Chemical 1-800-870-8508

---