

SAFETY DATA SHEET

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

Section I - Product & Company Identification

Product identifier

Product name : BIG BOY
Product form: Liquid
Other means of identification: 0653
Relevant identified uses of the substance or mixture: Powdered detergent

Details of the supplier of the safety data sheet

Manufacturer:
Diversified Chemical Products, Inc. 4124 B NW Riverside Street, Riverside, MO 64150
Phone: 816-472-5515

Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300

Section II – Hazards Identification

Classification

Serious eye damage Category 1
Skin corrosion/irritation Category 1
Specific target organ toxicity – single exposure (Category 3), Respiratory system.
Pictogram



Signal Word

Danger

Hazard Statements

Causes severe skin burns and eye damage.
Causes serious eye irritation
May cause respiratory irritation.
Harmful if swallowed.

Precautionary Statements – Prevention

Keep only in original container.
Avoid breathing dusts or mists.
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Use only outdoors or in a well ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse.

IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Precautionary Statements - Storage

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section III –Composition/Information on ingredients

Mixture

Name	CAS #	Weight %
Trisodium Phosphate	7601-54-9	20-30
Sodium Metasilicate	6834-92-0	40-50
Sodium Tripolyphosphate	7758-29-4	30-40
Alcohols, C6-10, ethoxylated propoxylated	68987-81-5	1-5

Any concentration shown as a range is to protect confidentiality or is due to process variation.

Section IV – First Aid Measures

First Aid Measures

Inhalation: Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

Eye Contact: **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

Ingestion: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact: Remove contaminated clothing, wash with plenty of water. If skin irritation persists, call a physician.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms

Causes severe skin burns and eye damage.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: Treat symptomatically

Section V – Fire Fighting Measures

Suitable Extinguishing Media

Water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

No data available

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear.

Section VI –Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required. Avoid breathing dust or mists.. Ensure adequate ventilation. Evacuate personnel to safe area.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so. Prevent discharge to open bodies of water, municipal sewers, and watercourses.

Methods for Cleaning Up: Use non-combustible material like vermiculite, sand or earth to soak up the product and place into a suitable container for later disposal.

Section VII – Handling & Storage

Precautions for Safe Handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

Section VIII – Exposure Controls/ Personal Protection

Exposure Guidelines

Chemical Name	CAS #	ACGIH TLV	OSHA PEL	NIOSH	USA WEEL
Trisodium Phosphate	7601-54-9	No exposure limit	No exposure limit	No exposure limit	5 mg/kg
Sodium Metasilicate	6834-92-0	No exposure limit	No exposure limit	No exposure limit	No exposure limit
Sodium Tripolyphosphate	7758-29-4	No exposure limit	No exposure limit	No exposure limit	5 mg/kg
Alcohols, C6-10, ethoxylated	68987-81-5	No exposure limit	No exposure limit	No exposure limit	No exposure limit

propoxylated					
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Appropriate Engineering Controls

Engineering Controls: Provide adequate ventilation, eyewash stations.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Wear approved safety goggles where a splash hazard exists.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

Section IX – Physical & Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State Powder
Color White

<u>Property</u>	<u>Values</u>
pH	12-13
Melting Point/Freezing Point	No data available
Boiling Point/Boiling Range	No data available
Flash Point	Not applicable
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Upper Flammable Limits	No data available
Lower Flammable Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	2.19
Water Solubility	Soluble in Water
Solubility in Other Solvents	No data available
Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Kinematic Viscosity	No data available
Dynamic Viscosity	No data available
Explosive Properties	Not an Explosive
Oxidizing Properties	No data available
Odor	Mild
Odor Threshold	No data available

Section X – Stability & Reactivity

Reactivity

No data available

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

Prolonged contact with metals.

Incompatible Materials

Strong oxidizing agents, strong acids..

Hazardous Decomposition Products

Carbon dioxide, carbon monoxide.

Section XI - Toxicological information

Information on Likely Routes of Exposure

Product Information

Inhalation: Avoid breathing dusts or mists.

Eye Contact: Causes serious eye damage.

Skin Contact: Causes serious skin burns. Avoid contact with skin.

Ingestion: Harmful if swallowed.

This product as a whole has not been tested for acute toxicity; the following is based on component data:

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Trisodium Phosphate	7601-54-9	No data available	No data available	No data available
Sodium Metasilicate	6834-92-0	1,152-1,349 mg/kg	No data available	No data available
Sodium Tripolyphosphate	7758-29-4	7,400 mg/kg(Rat)	No data available	No data available
Alcohols, C6-10, ethoxylated propoxylated	68987-81-5	>2000 mg/kg(Rat)	>2000 mg/kg(Rabbit)	>50mg/l (Rat)

Chemical Name	Trisodium Phosphate	Sodium Metasilicate
Skin corrosion/irritation	irritation(rabbit)	corrosion (rabbit)
Serious eye damage/irritation	Moderate Irritation (rabbit)	Severe eye damage
Respiratory or skin sensitization	No data available	Does not cause.
Mutagenicity	No data available	Negative
Carcinogenicity	Not classifiable	Not classifiable
Reproductive toxicity	No data available	No data available
Specific target organ toxicity-Single exposure	Inhalation, oral-may cause respiratory irritation.	Inhalation, oral-may cause respiratory irritation.
Specific target organ toxicity-repeated	No data available	No data available

exposure		
Aspiration hazard	No data available	No data available

Chemical Name	Sodium Tripolyphosphate	Alcohols, C6-10, ethoxylated propoxylated
Skin corrosion/irritation	Severe skin burns	Non irritant
Serious eye damage/irritation	Serious eye damage	Moderate eye irritation(rabbit)
Respiratory or skin sensitization	No data available	No data available
Mutagenicity	No data available	Negative
Carcinogenicity	Not classifiable	No data available
Reproductive toxicity	No data available	No data available
Specific target organ toxicity-Single exposure	No data available	No data available
Specific target organ toxicity-repeated exposure	No data available	No data available
Aspiration hazard	No data available	No data available

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical Measures of Toxicity: Not determined

Section XII - Ecological information

Ecotoxicity

There is no data available for this product as a whole.

Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
Trisodium Phosphate	7601-54-9	No data available	LCO-Leuciscus idus (Golden orfe)-2,400 mg/l - 48 h	No data available
Sodium Metasilicate	6834-92-0	No data available	semi-static test LC50 - Danio rerio (zebra fish) - 210 mg/l - 96 h	No data available
Sodium Tripolyphosphate	7758-29-4	No data available	No data available	EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h
Alcohols, C6-10, ethoxylated propoxylated	68987-81-5	EC50 (120 h) 1 - 10 mg/l	LC50 (96 h) 1 - 10 mg/l, Pimephales promelas	EC50 (48 h) 1 - 10 mg/l

Persistence and Degradability

No data available

Bioaccumulation

No data available

Mobility

No data available

Section XIII - Disposal considerations

Waste Disposal Method

Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways

Section XIV - Transport information

DOT Proper Shipping Description:

Bulk & Non-Bulk: UN1759, Corrosive solids, N.O.S., (Sodium metasilicate, sodium tripolyphosphate, 8, PGIII

Section XV - Regulatory information

SARA Title III Section 311/312 (40CFR370): Acute health hazard

SARA Title III Section 313 (40CFR372): No reportable components.

RCRA Status (40CFR261.33): No reportable components.

TSCA Inventory Status: Reported/included

OSHA/NTP/IARC Carcinogen Status: Not listed

Canadian DSL Status: No data available.

Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Trisodium Phosphate 7601-54-9	X	X	X
Sodium Metasilicate 6834-92-0	X	Not regulated	X
Sodium Tripolyphosphate 7758-29-4	X	X	X
Alcohols, C6-10, ethoxylated propoxylated 68987-81-5	No data available	No data available	No data available

Section XVI - Other information

HMIS ratings: Health: 3 Flammability: 0 Reactivity: 0

Indication of changes: Revision – 2

Date Sheet Prepared: 10/16/2015 Other information: Author – EHS Administrator

The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

END OF SDS