

SAFETY DATA SHEET

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

Section I - Product & Company Identification

Product identifier

Product name : HI VOLTAGE

Product form: Powder

Other means of identification: LB527

Relevant identified uses of the substance or mixture: Powdered detergent

Details of the supplier of the safety data sheet

Distributor:

Bunzl Distribution USA, Inc. One Cityplace Drive, Suite 200, St Louis, MO 63141

Phone: 314-997-5959 Fax: 314-997-1405

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

Acute toxicity, Oral (Category 5)

Serious eye damage (Category 1)

Skin corrosion/irritation (Category 1)

Carcinogenicity (Category 2)

Reproduction toxicity (Category 1B)

Specific target organ toxicity – single exposure (Category 3), Respiratory system.

Acute aquatic toxicity (Category 3)

Pictogram



Signal Word

Danger

Hazard Statements

May be harmful if swallowed.

Causes severe skin burns and eye damage.

Suspected of causing cancer.

May damage fertility or the unborn child.

May cause respiratory irritation.

Harmful to aquatic life.

Precautionary Statements – Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Avoid breathing dusts or mists.

Wash face, hands and any exposed skin thoroughly after handling

Use only outdoors or in a well ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection

Avoid release to the environment.

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: Take off contaminated clothing . Wash with plenty of soap and water. Wash contaminated clothing before reuse. Call a POISON CENTER or doctor/physician if you feel unwell.

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. Call a POISON CENTER or doctor/physician if you feel unwell.

IF exposed or concerned: get medical advice/attention.

Precautionary Statements - Storage

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

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 %
Sodium sesquicarbonate	6106-20-3	40-50
Sodium carbonate	497-19-8	10-20
Sodium Metasilicate	6834-92-0	10-20
Trisodium phosphate	7601-54-9	10-20
Sodium Tripolyphosphate	7758-29-4	10-20
Sodium (C10-16) benzenesulfonate	25155-30-0	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. Immediately get medical attention.

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
Sodium sesquicarbonate	6106-20-3	No exposure limit	No exposure limit	No exposure limit	No exposure limit
Sodium carbonate	497-19-8	No exposure limit	No exposure limit	No exposure limit	No exposure limit
Sodium Metasilicate	6834-92-0	No exposure limit	No exposure limit	No exposure limit	No exposure limit
Trisodium phosphate	7601-54-9	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
Sodium (C10-16) benzenesulfonate	25155-30-0	No exposure limit	No exposure limit	No exposure limit	No exposure limit

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	No data available
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	2.5
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	None
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
Sodium sesquicarbonate	6106-20-3	No data available	No data available	No data available
Sodium carbonate	497-19-8	4090 mg/kg (Rat)	No data available	5750 2 h (Rat)
Sodium Metasilicate	6834-92-0	1,152-1,349 mg/kg	No data available	No data available
Trisodium phosphate	7601-54-9	No data available	No data available	No data available
Sodium Tripolyphosphate	7758-29-4	7,400 mg/kg(Rat)	No data available	No data available
Sodium (C10-16) benzenesulfonate	25155-30-0	1080-1980 mg/kg (Rat)	>2000 mg/kg (Rabbit)	No data available

Chemical Name	Sodium sesquicarbonate	Sodium carbonate	Sodium Metasilicate
Skin corrosion/irritation	No data available	Mild irritation(rabbit)	corrosion (rabbit)
Serious eye damage/irritation	No data available	Irritation (rabbit)	Severe eye damage
Respiratory or skin sensitization	No data available	No data available	Does not cause.
Mutagenicity	No data available	No data available	Negative
Carcinogenicity	Not a carcinogen	Not classifiable	Not classifiable
Reproductive toxicity	No data available	No data available	No data available
Specific target organ toxicity-Single exposure	may cause respiratory irritation.	No data available	may cause respiratory irritation.
Specific target organ toxicity-repeated exposure	No data available	No data available	No data available
Aspiration hazard	No data available	No data available	No data available

Chemical Name	Trisodium phosphate	Sodium Tripolyphosphate	Sodium (C10-16) benzenesulfonate
Skin corrosion/irritation	Irritation	Severe skin burns	Irritation
Serious eye damage/irritation	Moderate irritation	Serious eye damage	Serious eye damage
Respiratory or skin sensitization	No data available	No data available	Not expected to cause
Mutagenicity	No data available	No data available	No positive data
Carcinogenicity	Not a carcinogen	Not classifiable	Not a carcinogen
Reproductive toxicity	No data available	No data available	Not expected to cause
Specific target organ toxicity-Single exposure	May cause respiratory irritation	No data available	Not classified
Specific target organ toxicity-repeated exposure	No data available	No data available	Not classified
Aspiration hazard	No data available	No data available	Not classified

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
Sodium sesquicarbonate	6106-20-3	No data available	No data available	No data available
Sodium carbonate	497-19-8	No data available	LC50 - Lepomis macrochirus (Bluegill) - 300 mg/l - 96 h	EC50 - Daphnia magna (Water flea) - 265 mg/l - 48 h
Sodium Metasilicate	6834-92-0	No data available	semi-static test LC50 - Danio rerio (zebra fish) - 210 mg/l - 96 h	No data available

Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
Trisodium phosphate	7601-54-9	No data available	No data available	No data available
Sodium Tripolyphosphate	7758-29-4	No data available	No data available	EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h
Sodium (C10-16) benzenesulfonate	25155-30-0	EC50 Algae, 29 mg/l, 72 h	LC50 Fish, 3 mg/l 96 h	EC50, 1.62-9.3 mg/l, 48 h

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), 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
Sodium sesquicarbonate	X	Not regulated	X
Sodium carbonate	X	Not regulated	X
Sodium Metasilicate	X	Not regulated	X
Trisodium phosphate	X	X	X
Sodium Tripolyphosphate	X	X	X
Sodium (C10-16) benzenesulfonate	No data available	Not regulated	No data available

Section XVI - Other information

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

Indication of changes: Revision – 1

Date Sheet Prepared: 05/20/2016 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.

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END OF SDS