



Safety Data Sheet - Hex Buster™ Laundry Soap

Version: 1.1

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1. IDENTIFICATION

1.1. Product Identifier

Product Name: Hex Buster™ Laundry Soap
Part Number(s): HB-1007

1.2. Supplier Details

Name: Veteran Abatement Services, LLC
Address: 7370 Custer Road, Fruitland, ID 83619
Phone: 208-452-4534
Email: info@veteranabatement.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1. Non-Hazardous Component(s)

Substance Description	CAS#	Percent Range
Sodium Carbonate	497-19-8	20-30%
Sodium Chloride	7647-14-5	50-60%
Sodium Silicate	1344-09-8	3-6%
Nonylphenol Ethoxylate	9016-45-9	3-6%
Sodium Polyacrylate	9000-04-1	<1%
Protease Enzyme	N/A	<1%
Triazinyl Stilbene	Proprietary	<1%
EDTA Disodium Dihydrate	6381-82-6	<0.1%
Fragrance	N/A	<0.1%

TRADE SECRET

Concentration: >10%
EC No. – Trade Secret
CAS No. – Trade Secret

Additional information: Trade secret made in accordance with paragraph (i) of §1910.1200 of 29 CFR 1910.1200, the OSHA Hazard Communication Standard and U.S. Code of Federal Regulations. The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

3. HAZARD IDENTIFICATION

3.1. Appearance and Odor:

3.1.1. Blue, free flowing, granular powder with citrus odor.

3.2. Statement of Hazards:

3.2.1. Contact may cause eye and skin irritation.

3.3. Fire and Explosion Hazards:



3.3.1. Not flammable in normal circumstances, however, under fire conditions, it may decompose to give off toxic gasses such as carbon dioxide, carbon monoxide, and various hydrocarbons.

3.4. Primary Route of Exposure:

3.4.1. Skin and eye contact are the primary routes of exposure to this product.

3.5. Skin Contact - Acute:

3.5.1. Skin contact may cause mild irritation.

3.6. Eye Contact - Acute:

3.6.1. Eye contact can cause irritation.

3.7. Inhalation – Acute:

3.7.1. This product is not likely to present an inhalation hazard at normal temperatures, however, this product can be stirred up- to an irritation dust and at elevated temperatures, vapors, mist or fumes can cause irritation to the respiratory tract.

3.8. Ingestion - Acute:

3.8.1. Can cause irritation of mucous membranes.

4. FIRST AID MEASURES

4.1. Description of necessary first-aid measures

General Advice: In all cases of doubt or when symptoms persist, ALWAYS seek medical attention.

4.1.1. If Inhaled

Inhalation is unlikely, however, if it does occur, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen. Get medical attention.

4.1.2. Skin Contact

Wash affected area with plenty of water. If irritation persists, seek medical attention.

4.1.3. Eye Contact

Rinse immediately with plenty of water (at least 15 minutes) while lifting eyelids. Seek medical attention, continue to rinse.

4.1.4. Ingestion

DO NOT INDUCE VOMITING. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation. Only when conscious, rinse mouth with plenty of water and give plenty of water to drink.

5. FIRE-FIGHTING MEASURES

5.1. Flash Point:

5.1.1. Greater than 212.0 F 100.0 C

5.2. Flash Method:

5.2.1. Pensky-Marten's Closed Cup

5.3. Auto Ignition Temperature:

5.3.1. Greater than 302.0 F 150.0 C



5.4. Upper Explosion Limit:

5.4.1. N/D

5.5. Lower Explosion Limit:

5.5.1. N/D

5.6. Suitable Extinguishing Media:

5.6.1. Regular foam, dry chemical, or carbon dioxide. Direct application of high-pressure water streams may scatter burning material.

5.7. FIRE FIGHTING PROCEDURE:

5.7.1. As in any fire, prevent human exposure to fire, smoke, fumes, or products of combustion. Evacuate non-essential personnel from the fire area. Firefighters should wear positive pressure/pressure demand, self-contained breathing apparatus and impervious protective clothing. If possible, remove containers from the fire area. Keep fire exposed containers cool with a water fog or spray to prevent excessive heat. High pressure water may spread product from broken containers increasing contamination of fire hazard.

5.8. FIRE AND EXPLOSION HAZARD:

5.8.1. This product is not defined as flammable or combustible, however, under fire conditions, it may support combustion and produce toxic oxides of carbon and various hydrocarbons.

5.9. OTHER FIRE AND EXPLOSION HAZARDS:

5.9.1. No other fire or explosion hazards of this product are known.

5.10. **NFPA HEALTH RATING:** 2

5.11. **NFPA FLAMMABILITY RATING:** 0

5.12. **NFPA REACTIVITY RATING:** 0

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing.

6.2. Environmental precautions

Prevent contamination of soil, drains and surface water.

6.3. Methods and materials for containment and clean up

Vacuum or wet-sweep and place into a suitable closable, labelled container for disposal. Wash the area with clean water and detergent, observing environmental requirements.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling:

Ensure good ventilation and local exhaust extraction in the workplace. Avoid breathing dust.

7.2. Shelf Life:

3 Years from date of shipment – as long as product is kept in a clean dry place away from direct light.



7.3. Conditions for safe storage, including incompatibilities:

Store in a cool, dry, well-ventilated place, in securely closed, original, container.
Temperatures should not exceed 120.0F 49.0C.

7.4. General Comments:

Keep containers tightly closed until ready for use. The stated maximum storage temperature is for quality purposes only. Temperatures exceeding 120 F may cause color degradation, and overall decrease in product quality.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Individual protection measure, such as PPE (Personal Protective Equipment)

Eye/Face

Use eye protection in all industrial work places.

Body

Use protective gloves when excessive skin contact cannot be avoided.

Respiratory

If unable to control dust emissions below OES limits, approved dust protection to P2 level of protection is recommended.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance

Blue, free flowing, granular powder

Odor

Citrus odor

pH

N/D

Melting/Freezing Point

Initial boiling point and range

Flash point

Evaporation rate

Flammability (gas/solid)

Upper/lower flammability limits

Vapor pressure

Vapor density

Relative density

Solubility in Water

About 15%

Partition coefficient: n-octanol/water

Auto-ignition temperature

Decomposition temperature

Viscosity

Explosive properties

Oxidizing properties



10. STABILITY & REACTIVITY

10.1. Reactivity

Stable under normal conditions of use.

10.2. Conditions to avoid

Avoid prolonged exposure to light and high temperatures.

10.3. Incompatible materials

Oxidizing agents.

10.4. Decomposition

Toxic oxides of carbon and hydrocarbons.

10.5. Polymerization

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Although no specific exposure limit has been established for this product, OSHA and ACGIH have established limits for nuisance dust:

OSHA PEL/TWA:

TOTAL 15 MG/M3

RESPIRABLE 5 MG/M3

8-HOUR TWA

ACGIH TLV/TWA:

TOTAL 10 MG/M3

8 HOUR TWA

11.2. Eye Contact

Painful inflammation/reversible damage with prompt first aid.

11.3. Inhalation

Nuisance dust irritating to nose, throat, and lungs.

11.4. Skin Contact

Prolonged continual exposure can be irritating.

11.5. Ingestion

May cause gastro-intestinal disturbances including nausea, diarrhea, and urinary effects.

11.6. Chronic

No evidence of adverse effects from available information.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

This product is thought to be biodegradable under most definitions of the term.

12.2. Mobility in soil

Soluble in water



13. DISPOSAL CONSIDERSTIONS

13.1. Disposal of product

This product and/or its components are found in many consumer food, drug, and cosmetic items. Release to sanitary sewer in small amounts is inherent with these end uses. No disposal method should be used which would pose an environmental or human health threat including and which would contaminate ground or surface waters.

14. TRANSPORTATION INFORMATION

14.1. DOT (US)

Not classified as hazardous for transport

14.2. IMDG

Not classified as hazardous for transport

14.3. IATA

Not classified as hazardous for transport

NON REGULATED MATERIAL

15. REGULATORY INFORMATION

15.1. OSHA Category

Non Hazardous

15.2. SARA (Superfund Amendments and Reauthorization):

Section 313 (Specific toxic chemical listings):

Not Reportable

15.3. TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

16. OTHER INFORMATION

16.1. Further information/disclaimer

SPECIAL PRECAUTIONS OR OTHER COMMENTS: CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

SPECIAL PRECAUTIONS OR OTHER COMMENTS: THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE REGARDLESS OF WHOM IT ORIGINATES WITH. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.