



## SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

<b>Manufacturer:</b> Ver-tech Solutions & Service 6801 Bleck Drive Rockford, MN 55373 763-577-4050	<b>Product Name:</b> Powdered Laundry Detergent <b>Product Code:</b> VSS082 <b>Recommended Use:</b> Powdered laundry detergent <b>Revision Date:</b> 4/30/2015
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**Chemical Emergency:** Infotrac: 1-800-535-5053

### SECTION 2: HAZARDS IDENTIFICATION

#### GHS Hazard Classification

Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1
Specific Target Organ Toxicity (Single Exposure)	Category 3

#### Signal Word

**DANGER!**



#### Hazard Statements

Causes severe skin burns and eye damage  
 Causes serious eye damage  
 May cause respiratory irritation

#### Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Use only in a well-ventilated area

#### Precautionary Statements - Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 Call a POISON CENTER or doctor/physician if you feel unwell  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

#### 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 disposal plant

### SECTION 3: INFORMATION ON HAZARDOUS INGREDIENTS

*Product is a mixture according to 29 CFR 1910.1200.*

#### Hazardous Components

Hazardous Ingredients	Cas #	Weight %
Disodium metasilicate	6834-92-0	10 - 20%
Sodium carbonate	497-19-8	20 - 40%
Proprietary Blend	Trade Secret	20 - 30%

*Specific chemical identity and/or exact percentage of components has been withheld in accordance with a trade secret claim according to Appendix E 29 CFR 1910.1200.*

### SECTION 4: FIRST-AID MEASURES

#### First Aid Measures

**General Advice:** Keep out of reach of children. Use with care.  
**Eye Contact:** Immediately flush with cool running water for at least 15 minutes while holding eyelids apart. Do not rub affected area. Remove contact lenses if applicable.

- Skin Contact:** Wash off immediately with soap and water while removing all contaminated clothes and shoes.
- Ingestion:** If swallowed, call immediately for emergency medical assistance. DO NOT induce vomiting. Rinse mouth with water and drink 1-2 glasses of water. Never give anything by mouth to an unconscious person.
- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**Most Important Symptoms and Effects**

**Symptoms:** Severe burns to eyes, skin, and respiratory tract.

**Indication of any immediate medical attention and special treatment needed**

**Note to Physician:** Treat symptomatically.

**SECTION 5: FIRE-FIGHTING MEASURES****Flammable Properties**

**Flammability:** Not considered to be a fire hazard.

**Explosive Prop:** No information available.

**Extinguishing Media**

**Suitable:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable:** No information available.

**Specific Hazards Arising from Chemical**

**Hazards:** The product causes burns of eyes, skin and mucous membranes. Thermal decomposition may lead to release of irritating and toxic vapors. In the event of fire and/or explosion do not breathe fumes.

**Protective equipment and precautions for fire-fighters**

**Fire-Fight Method:** In the event of a fire, fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Evacuate personnel to safe areas. Isolate hazard area and deny entry. Stay upwind of spill/leak. Use personal protective equipment. Avoid contact with skin, eyes or clothing.

**Environ. Precautions:** Prevent release to the environment if possible. Dike large spills to prevent material from entering streams or sewer systems.

**Clean-Up Method:** Sweep up, shovel and place into appropriate container for disposal. Avoid creating dust. Clean contaminated area thoroughly with water. Prevent product from entering drains.

**SECTION 7: HANDLING AND STORAGE**

**Handling:** Use personal protective equipment when needed. Avoid contact with skin, eyes, and clothing. Wash hands before eating, drinking, or smoking. Remove contaminated clothes and wash before reuse. Use in a ventilated area.

**Storage:** Store in closed containers in cool, dry, well-ventilated area. Avoid overheating or freezing. Keep in properly labeled containers and out of reach of children.

**Incomp. Materials:** Strong acids. Strong oxidizing agents. Prolonged contact with alkali sensitive metals and alloys.

**SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure Guidelines**

Hazardous Chemical	OSHA PEL	ACGIH TLV
Disodium metasilicate	3 mg/m <sup>3</sup>	No information available
Sodium carbonate	15 mg/m <sup>3</sup>	No information available
Proprietary Blend	No information available	No information available

**Eng. Controls:** Ensure adequate ventilation, especially in confined areas.

**Personal Protection Equipment (PPE)**

**Eyes:** Recommend safety goggles or shield.

**Respiratory:** Not usually necessary where ventilation is sufficient to maintain vapors under the TLV limit.

**Skin:** Avoid skin contact. Recommend chemical resistant gloves.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

<b>Physical State:</b>	Solid	<b>Freezing Point:</b>	Not determined
<b>Appearance:</b>	White powder	<b>Boiling Point:</b>	Not determined
<b>Color:</b>	White	<b>Evaporation Rate:</b>	Not determined
<b>Odor:</b>	Odorless	<b>Vapor Pressure:</b>	Not determined
<b>Odor Threshold:</b>	No information available	<b>Vapor Density:</b>	Not determined
<b>pH:</b>	13 - 14	<b>Relative Density:</b>	Not determined
<b>Flash Point:</b>	Not determined	<b>Flammability:</b>	Not determined
<b>Water Solubility:</b>	Soluble in water	<b>Explosive Limits:</b>	Not determined
<b>Viscosity:</b>	Not determined	<b>Part. Coefficient:</b>	Not determined
<b>Specific Gravity:</b>	Not determined	<b>Auto-ignition Temp:</b>	Not determined
<b>Melting Point:</b>	Not determined	<b>Decomp. Temp:</b>	Not determined

### SECTION 10: STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under ordinary conditions of use and storage.
<b>Haz. Decomposition:</b>	Thermal decomposition can lead to release of irritating and toxic gases and vapors.
<b>Haz. Polymerization:</b>	No information available.
<b>Incompatibilities:</b>	Strong acids. Strong oxidizing agents. Prolonged contact with alkali sensitive metals and alloys.
<b>Conditions to Avoid:</b>	Heat, moisture and incompatibles.

### SECTION 11: TOXICOLOGY INFORMATION

#### Component Information

Hazardous Chemical	LD50 Oral	LD50 Dermal
Disodium metasilicate	600 mg/kg (rat)	No information available
Sodium carbonate	4.090 mg/kg (rat)	No information available
Proprietary Blend	No information available	No information available

#### Potential Health Effects

**Exposure Routes:** Eye Contact, Dermal Contact, Ingestion, Inhalation

#### Acute Toxicity:

**Eyes:** Causes eye irritation with tearing, redness, and impaired vision.

**Skin:** Causes skin irritation, redness, and itching. May cause chemical burns.

**Ingestion:** Harmful if swallowed. Corrosive to mucous membranes, esophagus and stomach.

**Inhalation:** Respiratory irritant.

**Chronic Effects:** Avoid repeated exposure. May aggravate pre-existing medical conditions including eye, skin and respiratory disorders.

**Carcinogenicity:** Not listed as carcinogen by OSHA, NTP or IARC.

### SECTION 12: ECOLOGICAL INFORMATION

#### Ecotoxicity

Hazardous Chemical	Toxicity to Fish	Toxicity to Invertebrates
Disodium metasilicate	No information available	No information available
Sodium carbonate	300 - 320 mg/L (96h: Blue gill sunfish)	265 mg/L (48 h: Daphnia)
Proprietary Blend	No information available	No information available

#### Environmental Toxicity

**Biodegradation:** No information available.

**Persistence:** No information available.

**Bioaccumulation:** No information available.

**Mobility:** No information available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Recover or recycle if possible. Disposal should be in compliance with applicable federal, state, and local regulations. Do not dispose of in the environment, in sewage, and/or in drains.

**Container:** Drain contaminated container thoroughly. Do not reuse container.

**SECTION 14: TRANSPORT INFORMATION**

*Transport in accordance with all federal, state, and local regulations.*

**DOT**

**Proper Name:** NA  
**Hazard Class:** NA  
**UN Number:** NA  
**Packing Group:** NA  
**Special Provisions:** Not regulated as a dangerous good

**SECTION 15: REGULATORY INFORMATION**

**US Federal Regulations**

**TSCA Status:** All components of this product are listed or exempt from listing on TSCA inventory.  
**CERCLA Reportable Quantity:** Not applicable

**U.S. State Right-to-Know Regulations**

Hazardous Chemical	California Proposition 65
None	

**SECTION 16: OTHER INFORMATION**

**Prepared by:** Health and Safety Department  
**Contact Number:** 763-577-4050  
**Issue Date:** 4/20/2015  
**Revision Date:** 4/30/2015  
**Revision Note:** Updated raw material information  
**Version:** II  
**Disclaimer:** The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. This information is offered for your information, consideration, and investigation. Ver-tech Solutions & Service cannot anticipate all conditions under which this information and its product may be used. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. It is the user's responsibility to assume liability for loss, injury, damage or expense due to improper use.

End of Safety Data Sheet