



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|----------------------|---------------------------------------------------------------------------|-------------------------|-------------------|
| Manufacturer: | Ver-tech Labs 6801 Bleck Drive Rockford, MN 55373 1-877-866-9742 | Product Name: | Ultra Maxx |
| | | Product Code: | EXT230 |
| | | Recommended Use: | High pH Detergent |
| | | Revision Date: | 12/5/2017 |

Chemical Emergency: Infotrac: 1-800-535-5053

SECTION 2: HAZARDS IDENTIFICATION**GHS Hazard Classification**

| | |
|---------------------------------------------------------|------------|
| Skin Corrosion | Category I |
| Serious Eye Damage | Category I |
| Specific Target Organ Toxicity (Single Exposure) - Oral | Category I |
| Corrosive to Metals | Category I |

Signal Word**DANGER!****Hazard Statements**

Causes severe skin burns and eye damage
Causes serious eye damage
Causes damage to organs
May be corrosive to metals

Precautionary Statements - Prevention

Wash thoroughly after handling
Wear protective gloves and eye protection
Do not breathe mists or vapors
Do not eat, drink or smoke when using this product
Keep only in original container

Precautionary Statements - Response

IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water/shower
Wash contaminated clothing before reuse
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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
Absorb spillage to prevent material damage
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up
Store in a corrosive resistant container with a resistant inner liner

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 % |
|--------------------------------|--------------|----------|
| Sodium Hydroxide, Caustic Soda | 1310-73-2 | 5 - 15% |
| 2-butoxyethanol | 111-76-2 | 1 - 10% |
| Proprietary Blend | Trade Secret | 5 - 15% |

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:** Contains Sodium Hydroxide. Harmful or fatal if swallowed. Wear protective clothing when handling this product. 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, may cause burning of the mouth, throat and stomach. Call immediately for medical assistance. DO NOT induce vomiting. Rinse mouth with water, then drink 1-2 glasses of water. Never give anything by mouth to an unconscious person.
- Inhalation:** Remove to fresh air.

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:** Product is a corrosive material. Treat symptomatically.

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

- Flammability:** Not considered to be a fire hazard.
- Explosive Prop:** Not considered to be an explosive hazard.

Extinguishing Media

- Suitable:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable:** Adding water to caustic solution generates large amounts of heat.

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:** Soak-up with inert absorbent material and place into appropriate container for disposal. 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 and bases. Oxidizing agents. Aluminum, Tin and Zinc.

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

| Hazardous Chemical | OSHA PEL | ACGIH TLV |
|--------------------------------|---------------------|---------------------|
| Sodium Hydroxide, Caustic Soda | 2 mg/m ³ | 2 mg/m ³ |
| 2-butoxyethanol | 50 ppm | 20 ppm |

| | | |
|-------------------|----------------|----------------|
| Proprietary Blend | Not Determined | Not Determined |
|-------------------|----------------|----------------|

Appropriate Engineering Controls

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**

| | | | |
|--------------------------|--------------------------|----------------------------|----------------|
| Physical State: | Liquid | Freezing Point: | Not determined |
| Appearance: | Clear/light amber liquid | Boiling Point: | Not determined |
| Color: | Colorless | Evaporation Rate: | Not determined |
| Odor: | Mild | Vapor Pressure: | Not determined |
| Odor Threshold: | No information available | Vapor Density: | Not determined |
| pH: | 14.0 | Relative Density: | Not determined |
| Flash Point: | Not determined | Flammability: | Not determined |
| Water Solubility: | Soluble in water | Explosive Limits: | Not determined |
| Viscosity: | Not determined | Part. Coefficient: | Not determined |
| Specific Gravity: | 1.10 | Auto-ignition Temp: | Not determined |
| Melting Point: | Not determined | Decomp. Temp: | Not determined |

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.

Haz. Decomposition: Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Haz. Polymerization: No information available.

Incompatibilities: Strong acids and bases, strong oxidizing agents. Aluminum, Tin, and Zinc.

Conditions to Avoid: Heat, moisture and incompatibles.

SECTION 11: TOXICOLOGY INFORMATION**Component Information**

| Hazardous Chemical | LD50 Oral | LD50 Dermal |
|--------------------------------|-------------------|---------------------|
| Sodium Hydroxide, Caustic Soda | Not Determined | 1350 mg/kg (rabbit) |
| 2-butoxyethanol | 1,300 mg/kg (rat) | > 2,000 mg/kg (rat) |
| Proprietary Blend | Not Determined | Not Determined |

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 classifiable as a human carcinogen by OSHA, NTP or IARC.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity**

| Hazardous Chemical | Toxicity to Fish | Toxicity to Invertebrates |
|--------------------------------|----------------------------------------|-------------------------------|
| Sodium Hydroxide, Caustic Soda | 45.4: 96 h Oncorhynchus mykiss mg/L | Not Determined |
| 2-butoxyethanol | 1,474 mg/l (96 h: Oncorhynchus mykiss) | 1,550 mg/l (48 h: water flea) |
| Proprietary Blend | Not Determined | Not Determined |

Environmental Toxicity

- Biodegradation:** No information available.
- Persistence:** This product is alkaline and may raise the pH of surface waters.
- Bioaccumulation:** This product is believed not to bioaccumulate.
- 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:** Corrosive Liquid, Basic, Inorganic, n.o.s. (Sodium Hydroxide)
- Hazard Class:** 8
- UN Number:** UN3266
- Packing Group:** II
- Special Provisions:** Based on package size, product may be eligible for limited quantity exception.

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:** Sodium Hydroxide, 1000 lbs.

U.S. State Right-to-Know Regulations

| Hazardous Chemical | California Proposition 65 |
|--------------------|---------------------------|
| None | |

Section 311/312 Hazard Category

| | | | |
|------------------------------------|-----------|------------------|---------|
| Acute Health Hazard: | 1310-73-2 | Sodium hydroxide | 5 - 15% |
| | 111-76-2 | 2-butoxyethanol | 1 - 10% |
| Chronic Health Hazard: | 1310-73-2 | Sodium hydroxide | 5 - 15% |
| Fire Hazard: | 111-76-2 | 2-butoxyethanol | 1 - 10% |
| Sudden Release of Pressure: | No | | |
| Reactive Hazard: | 1310-73-2 | Sodium hydroxide | 5 - 15% |
| Section 313 Toxic Chemicals | 111-76-2 | 2-butoxyethanol | 1 - 10% |

SECTION 16: OTHER INFORMATION

- Prepared by:** Health and Safety Department
- Contact Number:** 1-877-866-9742
- Issue Date:** 6/16/2017
- Revision Date:** 12/5/2017
- Revision Note:** Edited name
- Version:** III
- 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 Labs 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