



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:	Blue Thunder
		Product Code:	EXT315
		Recommended Use:	Multi Purpose Detergent
		Revision Date:	9/12/2018

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

SECTION 2: HAZARDS IDENTIFICATION

GHS Hazard Classification

Skin Corrosion	Category I
Serious Eye Damage	Category I
Corrosive to Metals	Category I

Signal Word

DANGER!



Hazard Statements

Causes severe skin burns and eye damage

Causes serious eye damage

May be corrosive to metals

Precautionary Statements - Prevention

Do not breathe mists and vapors

Wash thoroughly after handling

Wear protective gloves and eye protection

Keep only in original container

Precautionary Statements - Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

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

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

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

Absorb spillage to prevent material damage

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	1310-73-2	1 - 5%
2-butoxyethanol	111-76-2	0 - 5%
Proprietary Blend	Trade Secret	1 - 5%

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: Harmful if swallowed. Causes severe skins burns and eye damage. If exposed or concerned, get medical advice/attention.

- 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 and skin. Symptoms may include stinging, tearing, redness, swelling and blurred vision. May cause an allergic skin reaction. May cause redness and pain. Prolonged exposure may cause chronic effects.

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:** Not considered to be an explosive hazard.

Extinguishing Media

- Suitable:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable:** Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards Arising from Chemical

- Hazards:** During fire, gases hazardous to health may be formed.

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:** Oxidizing agents. Strong acids. Aluminum, Zinc, Tin

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

Hazardous Chemical	OSHA PEL	ACGIH TLV
Sodium Hydroxide	2 mg/m ³	2 mg/m ³
2-butoxyethanol	50 ppm	20 ppm
Proprietary Blend	No information available	No information available

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:	Dark Liquid	Boiling Point:	Not determined
Color:	Blue/Purple	Evaporation Rate:	Not determined
Odor:	Cherry	Vapor Pressure:	Not determined
Odor Threshold:	No information available	Vapor Density:	Not determined
pH:	12 - 14	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:	1.08	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: Oxidizing agents. Strong acids. Aluminum, Zinc, Tin
Conditions to Avoid: Heat, moisture and incompatibles.

SECTION 11: TOXICOLOGY INFORMATION**Component Information**

Hazardous Chemical	LD50 Oral	LD50 Dermal
Sodium Hydroxide	Not Determined	1350 mg/kg (rabbit)
2-butoxyethanol	1,300 mg/kg (rat)	> 2,000 mg/kg (rat)
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 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	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	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: 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: None

U.S. State Right-to-Know Regulations

Hazardous Chemical	California Proposition 65
NA	NA

Section 311/312 Hazard Category

Acute Health Hazard:	111-76-2	2-butoxyethanol	0 - 5%
Chronic Health Hazard:	No		
Fire Hazard:	111-76-2	2-butoxyethanol	0 - 5%
Sudden Release of Pressure:	No		
Reactive Hazard:	No		
Section 313 Toxic Chemicals	111-76-2	2-butoxyethanol	0 - 5%

SECTION 16: OTHER INFORMATION

Prepared by: Health and Safety Department
Contact Number: 1-877-866-9742
Issue Date: 9/12/2018
Revision Date: 9/12/2018
Revision Note: Formulation update
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 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