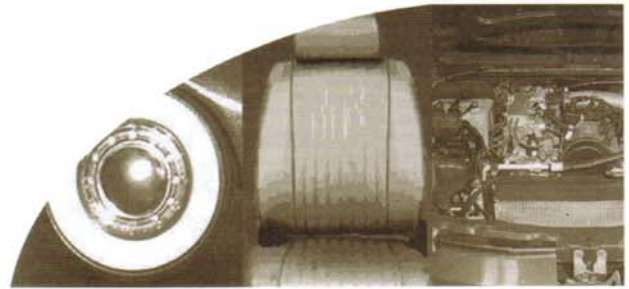




## Blue Thunder

Versatile multi-purpose cleaner. Dilutes with water to tackle your toughest cleaning jobs. Great for whitewalls, vinyl upholstery, wheel wells, under the hood, door jams and chrome, and it's a floor cleaner and motor degreaser, too!



## Features and Benefits

- Formulated for deep penetration and quick, thorough removal of hard-to-clean soils
- Contains special water conditioning agents, emulsifying and foaming ingredients and soil penetrants
- Leaves a pleasant cherry scent after the job is done

### Technical Information

Form — Liquid  
 Color — Blue  
 Odor — Cherry  
 Foam — High

### Product Usage Ratio

**Whitewall Tires:** Use undiluted. Spray on, brush in, rinse off.  
**Vinyl Upholstery:** Dilute with four parts water. Spray on, brush in, wipe clean.  
**Floor Cleaning:** Undiluted or dilute with up to two parts water.  
**Motor Degreasing:** Undiluted or dilute with one part water. Warm engine, spray on, wait several minutes before rinsing.  
**Chrome Cleaning:** Dilute with one to ten parts water. Spray or wipe on, rinse.

NOTE: See reverse side for MSDS information and General Cautions for Use

### Product Information

Product Code  
 EXT 315



# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

## SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Identity (As Used on Label and List):** Extreme Blue Thunder  
**Product Class:** Water-based cleaner  
**Emergency Telephone Number:** 800-535-5053 (INFOTRAC)  
**Telephone Number for Information:** 763-509-7937  
**Manufacturer's Name and Address:**  
Ver-tech Labs  
6801 Bleck Drive  
Rockford, MN 55373

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	Potassium Hydroxide CAS #1310-58-3	1 - 5
B	Tetrasodium EDTA CAS #64-02-8	1 - 5
C	Dodecylbenzed sulfonic acid CAS #27176-87-0	1 - 5
D	2-butoxy ethanol CAS #111-76-2	1 - 5
E	Sodium Xylene Sulfonate CAS #1300-27-7	1 - 5
F	Water CAS #7732-18-5	60 - 100

## SECTION III - HAZARDS IDENTIFICATION

### Emergency Overview

**Appearance and Odor:** Blue liquid, mild odor.

**Primary Hazards:** Corrosive

### Potential Health Hazards

**Route(s) of Entry:** Skin Absorption: X Ingestion: X Inhalation: X

**Eye:** May cause chemical burns on contact.

**Skin:** May cause chemical burns on contact.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** Overexposure to 2-butoxy ethanol may cause damage.

**Signs and Symptoms of Exposure:** Eye Contact: Possible burning, tearing, redness and corneal damage. Skin Contact: Possible slippery feeling, redness, swelling and burns. Symptoms may be delayed.

**Carcinogenicity:** NTP? No IARC Monographs? No

OSHA Regulated? No

**Target Organ (s):** Eyes, skin. See health hazards, chronic.

**Medical Conditions Generally Aggravated by Exposure:** N. Av.

**Health Hazards, Chronic:** Overexposure to chemical D, Section II may cause damage to liver, kidneys, lymphoid system, skin, blood, eyes and respiratory system.

## SECTION IV - FIRST AID MEASURES

### Emergency and First Aid Procedures:

**If Swallowed:** Do not induce vomiting. Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. **Eye Contact:** Flush eyes with running water for at least 15 minutes. Obtain medical attention. **Skin Contact:** Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.

**Sources Used:** Raw material data, general toxicology from the trade for similar products.

## SECTION V - FIRE FIGHTING MEASURES

**Flammability:** No **Autoignition Temperature:** N. Av.

**Flash Point (method used):** None

**Flammable Limits:** N. Av. LEL UEL

**Extinguishing Media:** N. Av.

**Water?** **Foam?** **Water Fog?**

**Alcohol Foam?** **CO<sub>2</sub>?** **Dry Chemical?**

**Vaporizing Liquid?** **Other?**

**Special Fire Fighting Procedures:** N. Av.

**Unusual Fire and Explosion Hazards:** N. Av.

**TDG Flammability Classification:** Non-flammable

**Sensitivity to Mechanical Impact:** None

**Sensitivity to Static Discharge:** None

## SECTION VI - ACCIDENTAL RELEASE MEASURES

### Steps to be Taken in Case Material is Released or Spilled:

Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

## SECTION VII - HANDLING AND STORAGE

### Precautions to be Taken in Handling and Storing:

Normal care in handling and storage.

**Other Precautions:** Keep out of reach of children. Keep from freezing.

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection (Specify Types):** Dust/mist respirator is recommended when spraying product.

**Ventilation:** Local Exhaust: Not required **Special:** Not required

**Mechanical (General):** Normal good ventilation sufficient. **Other:** Not required

**Protective Gloves:** Natural rubber or synthetic.  
**Eye Protection:** Approved safety goggles or glasses. **Footwear:** Not required  
**Other Protective Clothing or Equipment:** Not required  
**Work/Hygienic Practices:** Do not contaminate food or beverages with cleaning chemicals.

## SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

**Boiling Point:** Approximately 212°F **pH:** > 13  
**Specific Gravity (H<sub>2</sub>O) = 1:** 1.078 **% Volatile:** 60 - 100  
**Vapor Density (Air = 1):** N. Av. **Odor Threshold:** N. Av.  
**Evaporation Rate (Butyl Acetate = 1):** N. Av. **Oil/Water Distribution Coefficient:** N. Av.  
**Solubility in Water:** Complete  
**Vapor Pressure (MM HG):** N. Av.  
**Melting Point:** N. Av.

## SECTION X - STABILITY AND REACTIVITY

**Stability:** Unstable: Stable: X  
**Conditions to Avoid:** N. Av.  
**Incompatibility (materials to avoid):** N. Av.  
**Hazardous Decomposition or By-products:** N. Av.  
**Hazardous Polymerization:** May occur: Will not occur: X  
**Conditions to Avoid:** N. Av.

## SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	C2 mg/M3	C2 mg/M3	N. Av.	205 mg/kg (rat, oral)	N. Av.
B	N. Av.	N. Av.	N. Av.	>2000 mg/kg (rat, oral)	N. Av.
C	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
D	25 ppm	25 ppm	N. Av.	140-340 gm/kg (rat)	N. Av.
E	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
F	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.

**Teratogen, Mutagen, Reproductive Toxin Status:** No

**Toxicologically Synergistic Products:** N. Av.

## SECTION XII - ECOLOGICAL INFORMATION

**Ecotoxicological Information:** N. Av.

**Chemical Fate Information:** N. Av.

## SECTION XIII - DISPOSAL CONSIDERATIONS

### Waste Disposal Method:

Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewer, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.

**RCRA Hazard Class:** D002, characteristic corrosive.

## SECTION XIV - TRANSPORT INFORMATION

**Shipping Classification:** Corrosive liquid, basic inorganic, N.O.S. ( potassium hydroxide), Class 8

**UN Number:** 3266

**Packing Group:** II

## SECTION XV - PREPARATION DATA

**Prepared By:** Health and Safety Department

**Telephone Number:** 763-509-7937

**Date:** 3-21-2005

## SECTION XVI - REGULATORY INFORMATION

### US Federal Regulations

**TSCA Status:** All ingredients listed.

**CERCLA Reportable Quality:** N. Av.

### SARA Title III

**Section 302 Extremely Hazardous Chemicals:** None

**Section 311/312 Hazard Category:** Immediate health hazard

**Section 313 Toxic Chemicals:** 2-butoxy ethanol (glycol ether)

## SECTION XVII - OTHER INFORMATION

None

N. Av. - Not Applicable; N. Av. - Not Available

## NFPA SYSTEM

2 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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