

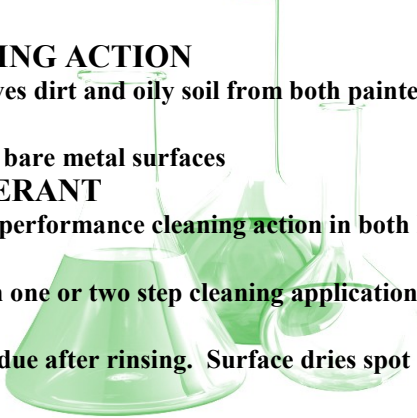


THUNDERBOLT

Thunderbolt is high pressure detergent that works great on truck and other vehicle surfaces including polished aluminum. Excellent high pressure prep gun soap for hard to remove road film on square back vehicles in friction tunnels.

FEATURES & BENEFITS

- **POWERFUL CLEANING ACTION**
Quickly removes dirt and oily soil from both painted and unpainted surfaces
- **METAL SAFE**
Will not harm bare metal surfaces
- **HARD WATER TOLERANT**
Provides high performance cleaning action in both hard and soft water
- **VERSATILE**
Can be used in one or two step cleaning applications
- **FREE RINSING**
Leaves no residue after rinsing. Surface dries spot free



DIRECTIONS

BRUSHLESS WASH

Dilution Rate: Mix **Thunderbolt** 1:25 to 1:75 in water for removal of heavy soil or road film without brushing. Note if using a brush for light cleaning, mix 1 part **Thunderbolt** with up to 100 parts water. Dilution levels will vary with soil level.

Temperature: **Thunderbolt** will remove soil at all temperatures. **However higher temperatures will greatly improve performance.**

Pressure: Apply **Thunderbolt** to vehicles with high or low pressure. **High pressure will enhance product performance.**

For Best Results: Apply at high temperatures (140° - 160°F) and high pressure (above 600 psi), to a dry surface. Always rinse with high-pressure water.

1. Apply dilutions to surface to be cleaned, working from bottom to top to avoid streaking. **Thunderbolt** may be applied to as large a surface area as desired, being careful not to allow **Thunderbolt** to dry on surface.
2. Rinse thoroughly with high-pressure water, working from top to bottom.
3. Hold pressure nozzle 12" from vehicle surface.

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

Visit our website at www.ver-techlabs.com

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Thunderbolt (THU100)
Product Class: Water-based degreaser
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	Sodium Metasilicate CAS #9004-82-4

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor: Clear liquid, slight aroma

Primary Hazards: Irritant

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: No hazardous vapors.

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 and mucous membranes.

Medical Conditions Generally Aggravated by Exposure: N. Av.

Health Hazards, Chronic: N. Av.

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:

For Eye Contact: Immediately flush eyes with sanitary eye wash solution or running water for at least 15 minutes. Obtain medical attention. Continue to flush eyes until medical attention arrives. **If Swallowed:** Do not induce vomiting. Drink water, immediately call a physician. Never give anything by mouth to a unconscious person. **For 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?	CO2?	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): Not required

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

Mechanical (General): As required to keep vapor levels below TLV & PEL, listed in Section XI. **Other:** Not required

Protective Gloves: Natural rubber or synthetic.

Eye Protection: Approved safety goggles or shield.

Footwear: Rubber footwear.

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 (100°C) **pH:** 12 - 14
Specific Gravity (H2O) = 1: 1.10 **% Volatile:**
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. Ap.

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	2mg/m3	2mg/m3	N. Av.	800 mg/kg (rat, oral)	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: Cleaning compound NOI

UN Number:

Packing Group:

SECTION XV - PREPARATION DATA

Prepared By: Health and Safety Department

Telephone Number: 763-509-7937

Date: 5-27-2008

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, chronic health

Section 313 Toxic Chemicals: None

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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