



ACE 10 PLUS

A versatile heavy duty degreaser. Ace 10 Plus had been used successfully in transportation, agricultural, metal fabrication, and machining industries. Ace 10 Plus is used to clean and degrease concrete floors, walls, vehicles, and engines. Can be applied with a pressure washer, brush, or an auto-scrubber.

FEATURES & BENEFITS

- **POWERFUL CLEANING ACTION**
Quickly removes dirt, oil and grease from a variety of substrates
- **NON-FLAMMABLE**
Water-base formulation
- **VERSATILE**
Can be used to clean walls, floors, engines, and vehicles
- **LOW FOAM**
Low foaming product works well in floor scrubbers



DIRECTIONS

Concrete and Shop Floors: Apply with automatic floor equipment or conventional methods. Ace 10 Plus can be diluted 20:1 to 50:1, depending on soil level.

Degreasing Vehicle Engines: Dilute 10:1 to 20:1 in hot water. For very greasy surfaces, allow to soak for a few minutes before thoroughly rinsing with water.

Pressure Washing of Vehicles and Chassis: Ace 10 Plus will work better with hot water. When pressure washing, use a chemical injector that dilutes Ace 10 Plus at a ratio of 10:1 to 30:1. Remove large chunks of grease or soil with clean water prior to applying Ace 10 Plus. Apply Ace 10 Plus and allow to soak for a few minutes. Rinse thoroughly with water.

Dilution Ratio for other Applications:

Tires	5:1
Wax Stripping	7:1
Stream Cleaning	20:1
Machinery	5:1

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

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Ace 10 Plus
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	Sodium Metasilicate CAS #9004-82-4	
D	2-butoxy ethanol CAS #7732-18-5	

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor: Red liquid, mild odor.
Primary Hazards: Irritant

Potential Health Hazards

Route(s) of Entry: Skin Absorption: X Ingestion: X Inhalation: X
Eye: May cause irritation or burns on contact.
Skin: May cause irritation or 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. Ap.
Flash Point (method used): None
Flammable Limits: N. Ap. LEL UEL
Extinguishing Media: N. Ap.
Water? **Foam?** **Water Fog?**
Alcohol Foam? **CO₂?** **Dry Chemical?**
Vaporizing Liquid? **Other?**

Special Fire Fighting Procedures: N. Ap.
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:** > 12.2
Specific Gravity (H₂O) = 1: 1.07
Vapor Density (Air = 1): N. Av. **Odor Threshold:** N. Av.
Evaporation Rate (Butyl Acetate = 1): N. Av. **Oil/Water Distribution**
Solubility in Water: Complete **Coefficient:** N. Av.
Vapor Pressure (MM HG): N. Av.
Melting Point: N. Ap.

SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X
Conditions to Avoid: N. Ap.
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. Ap.

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	2 mg/M3	2 mg/M3	N. Av.	800 mg/kg (rat, oral)	N. Av.
D	25 ppm	25 ppm	N. Av.	140-340 gm/kg (rat)	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 sewerred, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.
RCRA Hazard Class: D0002 Characteristic Corrosive

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Cleaning compound liquid n.o.i.
UN Number: N. Ap.
Packing Group: N. Ap.

SECTION XV - PREPARATION DATA

Prepared By: Health and Safety Department
Telephone Number: 763-509-7937
Date: 9-15-2008

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

SECTION XVII - OTHER INFORMATION

None
N. Ap. - Not Applicable; N.Av. - Not Available

NFPA SYSTEM

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

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