

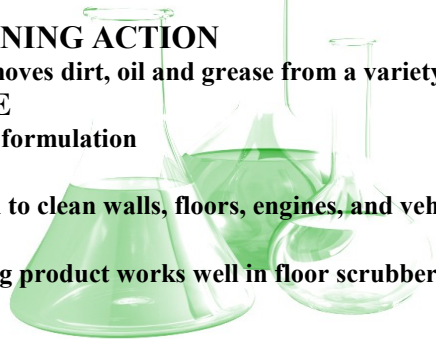


# ADVANTAGE

A versatile heavy duty degreaser and vehicle cleaner. **Advantage** has been used successfully in truck washing, liquid prep gun soap for car washes, degreasing floors and engines, and as an all-purpose cleaner . 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. **Advantage** can be diluted 1:20, depending on soil level.

**Degreasing Vehicle Engines:** Dilute 1:10 to 1:15 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:** **Advantage** will work better with hot water. When pressure washing, use a chemical injector that dilutes **Advantage** at a ratio of 1:10 to 1:30. Remove large chunks of grease or soil with clean water prior to applying **Advantage**. Apply **Advantage** and allow to soak for a few minutes. Rinse thoroughly with water.

### Dilution Ratio for other Applications:

Tires	1:5
Wax Stripping	1:7
Machinery	1:5

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

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# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

## SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Identity (As Used on Label and List):** Advantage (ADV120)

**Product Class:** Water-based cleaner

**Emergency Telephone Number:** 800-535-5053 (INFOTRAC)

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

**Manufacturer's Name & 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	Surfactant
	Proprietary blend
B	2-butoxy ethanol
	CAS #111-76-2

## SECTION III - HAZARDS IDENTIFICATION

### Emergency Overview

**Appearance and Odor:** Green 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 B, 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:** < 12

**Specific Gravity (H20) = 1:** 1.02

**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. 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	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
B	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 sewer, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.

**RCRA Hazard Class:** Not regulated

## SECTION XIV - TRANSPORT INFORMATION

**Shipping Classification:** Clean compound not regulated

**UN Number:** N.A.

**Packing Group:** N.A.

## SECTION XV - PREPARATION DATA

**Prepared By:** Health and Safety Department

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

**Date:** 7-14-2008

## 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. 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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