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ADVANCED HEAVY DUTY DEGREASER

- Description:** An extremely effective detergent concentrate, formulated for use in automatic floor scrubbing machines.
- Fast:** Emulsifies and affects the release of greasy, oily soils with minimal dwell time on the surface to be cleaned.
- Safe:** Biodegradable – for environmental friendliness
Low Sudsing – for vacuum recovery protection
pH Balanced – removes the soil, not the substrate
- Economical:** This highly concentrated proprietary blend of water soluble solvents, sophisticated surfactants, and detergency builders works to make the hardest water the “solvent of soil.”

Usage is 1 oz. of chemical per 1 gallon of water, depending on soil conditions. Thus, your machine can clean 1000 sq. ft. of floor for pennies.

Specifications:

Odor: Solvent Clean Detergent
Color: Clear/Yellow-Green
Active Ingredients: See Safety Data
Stability: Extremely Stable
Flash Point: None
Viscosity: Same as Water
pH: 11.5 – 13.0

Other Uses:

Vehicle Cleaning
Engine Compartment Degreasing
Parts Washing
Heavy Equipment Prep
Walls, Kitchens, Etc.
Any environmental surface not harmed by water alone



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Cautions: see Material Safety Data Sheet (over)



Material Safety Data Sheet

Product: ADVANCED HEAVY DUTY DEGREASER

Section I – Product Identification & Company Info.

Product Name: Advanced Heavy Duty Degreaser
Product Use: Cleaner/Degreaser
General Information: (909) 598-2706
Emergency Information: (909) 598-2706
CAS No: n/a – Mixture

Section II – Hazardous Ingredients

Hazard Components	CAS #	Exposure Limits	
		OSHA PEL	ACGIH TLV
2-Butoxyethanol	111-76-2	25ppm	25ppm
Sodium Hydroxide Liquid	1310-73-2	2mg/m ³	2mg/m ³
Sodium Metasilicate, Anhydrous	6834-92-0	not est.	not est.

Section III – Physical Data

Physical State: Liquid
Appearance: Clear/Yellow-Green
Vapor Pressure (mm Hg): n/a
pH: 13.5
Specific Gravity (H₂O=1): 1.05
Vapor Density (AIR=1): >1 (heavier than air)
Evaporation Rate: (WATER=1): <1 (slower than water)

Odor: Bulyl
Boiling Point: >212°F
Solubility in Water: 100%
Flash Point: None

Section IV – Fire and Explosion Data

Flammability: No
Extinguishing Media: Water (X), Carbon Dioxide (X), Dry Chemical (X), Foam (X), Other ()
Special Fire Fighting Procedures: Avoid breathing of vapors. Apply water spray to cool fire exposed containers and structures. Use water spray to disperse vapors. Use self contained breathing apparatus (SCBA) or NIOSH approved respirator and protective clothing.
Unusual Fire and Explosion Hazards: If material is released, area will become slippery.

Section V – Reactivity Data

Stability: Stable
Incompatibility (materials to avoid): None
Hazardous Thermal Decomposition Products: CO₁ CO₂ Nitrogen
Hazardous Polymerization: Will not occur
Conditions to Avoid: Extreme heat or flame. Avoid contact with soft metals. Keep from freezing.

Section VI – Health Hazard Data & First Aid

Routes of Entry: Inhalation: (X), Ingestion: (X), Dermal: (X), Eye Contact: (X)
Effects of Over Exposure:
Skin: May cause irritation or burns on prolonged contact.
Eyes: Product is a sever irritant on contact. May cause corneal damage and/or blindness.
Ingestion: May cause damage to mucous membranes of the mouth, esophagus stomach and bronchial tract.
Inhalation: Moderate irritant to the respiratory tract. May cause coughing, headache, nausea and vomiting.
Carcinogenicity: NTP NO IRAC NO OSHA NO

Emergency and First Aid Procedures:

General: If a known exposure occurs or is suspected and is determined to be a health threat or if any symptoms persist, contact a physician, the nearest hospital or the nearest Poison Control Center. Inform the person contacted of the type of extent of the exposure, describe the victim's symptoms and follow the advice given.
Skin: Immediately remove contaminated clothing. Rush all affected areas with large amounts of water for at least 15 minutes. DO NOT attempt to neutralize with chemical agents. Obtain medical advice immediately if irritation persists. Wash contaminated clothing prior to reuse.
Eyes: Immediately flush the eyes with large quantities of running water for a minimum of 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eyes and lids with water. DO NOT attempt to neutralize with chemical agents. Obtain medical attention as soon as possible. Oils or ointments should not be used. Continue the flushing for an additional 15 minutes if the physician is not immediately available.
Ingestion: DO NOT induce vomiting. Immediately give large quantities of water or milk, if available. If vomiting does occur, give fluids again. Never give anything by mouth to an unconscious person. Call a physician of the nearest Poison Control Center immediately.
Inhalation: Remove from contaminated atmosphere. If breathing has ceased, clear the victim's airway and start mouth-to-mouth artificial respiration, which may be supplemented by the use of a bag-mask respirator, or a manually-triggered, oxygen supply capable of delivering 1 liter/second or more. If the victim is breathing, oxygen may be administered from a demand-type or continuous-flow inhalator, preferably with a physician's advice. Contact a physician immediately.

Section VII – Precautions for Safe Handling & Use

Waste Disposal Method: Dispose of in accordance with all Local, State and Federal regulations.
Precautions to be taken in Handling and Storage: Store in a tightly closed container. Do not store near oxidizers, alkalis, acids and bleach. Do not mix with other chemicals. Store away from excessive heat. Do not freeze. Keep away from food stuffs. Keep out of reach of children.
Steps to be taken in case of Spill or Release: To contain spilled material, dike area involved. To absorb product, use porous material such as diatomaceous earth, sand or a commercial absorbent. Using a shovel, place into leak proof containers.

Section VIII – Control Measures

Respiratory Protection (specific type): None needed for normal clean up. If mist or vapor may be generated, a Self Contained Breathing Apparatus (SCBA) or NIOSH approved respirator is advised.
Ventilation: Provide adequate ventilation or use mechanical devices.
Personal Protection Equipment: Protective clothing.
Protective Glasses: Rubber type. Chemical resistant.
Eye Protection: Safety splash monogoggles
Other Protective Clothing or Equipment: Solvent resistant boots and clothing. Have clean water available for washing.
Work/Hygiene Practice: Avoid accidental spills on skin, wash after use. Wash contaminated clothing prior to reuse.

Section IX – Transportation Information

Package Size: All Sizes
Compounds: Cleaning Liquid
Dot Label: None
Placard: None

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Revision Date: 03/2006

Section VI – Health Hazard Data & First Aid (continued)