

MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

Date Prepared: 11/25/2009

Code: 1452 RTU/DD

SECTION 1 - PRODUCT IDENTIFICATION

Distributor: Actiblend Systems	Emergency Phone: 1-800-309-5869
Address: 900 East 103rd Street, Suite D, Chicago, IL 60628	Prepared By: DR
Trade Name: Heavy Duty Alkaline Degreaser(1:4 - 1:200)	Product Type: Dual Draw Heavy Duty Degreaser RTU

SECTION 2 - INGREDIENTS

CHEMICAL NAME/COMMON NAME	CAS NO.	WT. %(opt)	TLV(Source)	TITLE III, SECT. 313
Potassium Hydroxide	1310-58-3	< 2%	2mg/M3 (TWA / STEL)	No
Nonionic Surfactant	9016-45-9	<1%	None Established	No

SECTION 3 - PHYSICAL DATA

Boiling point (°F.) 212°F	Specific Gravity (H2O=1.0) 1.0 ± 0.005	pH 12 - 13 ± 0.5
Vapor Pressure (mm Hg) Not Determined	Vapor Density (Air=1) Not Determined	
Solubility in water <input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable (or Dispersible) <input type="checkbox"/> Slight (or Partial)		
Evaporation Rate (vs. H2O) <input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same	Appearance and Odor Clear light colored liquid, no distinct odor.	

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.) °F. <input checked="" type="checkbox"/> None to Boiling	Flammable Limits N/A Upper Lower
Extinguishing Media Product is non-combustible. Water Spray (Fog), Dry Chemical, CO2, or Foam may be used where product is stored.	
Special Firefighting Procedures Do not enter confined fire-spaces without protective clothing and self-contained air supply.	
Unusual Fire and Explosion Hazards None	

SECTION 5 - REACTIVITY DATA

Stability Stable	Incompatibility Acids/Oxidizers
Hazardous Decomposition Products Burning may produce carbon monoxide, carbon dioxide and unidentified organic compounds.	

SECTION 6 - HEALTH HAZARD DATA

Primary Routes of Exposure <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input type="checkbox"/> Inhalation <input type="checkbox"/> Other	
Signs and Symptoms Of Overexposure (Acute) Prolonged or repeated contact of concentrated product with eyes will cause irritation and reddening. Ingestion may cause nausea, abdominal discomfort, vomiting and diarrhea and mucousal irritation.	
Signs and Symptoms of Overexposure (Chronic) None currently known.	
Medical Conditions Aggravated by Overexposure An existing dermatitis.	
Carcinogen or Suspect Carcinogen Ingredients <input type="checkbox"/> NTP <input type="checkbox"/> IARC <input type="checkbox"/> OSHA <input checked="" type="checkbox"/> NONE	

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

Eyes Flush eyes with water for at least 15 minutes and call a physician immediately.
Skin Wash affected areas with large amounts of soap and water. If irritation persists call physician.
Ingestion Do NOT induce vomiting. Dilute by drinking water. Call a physician immediately.
Inhalation Remove to fresh air. Start artificial respiration if necessary. Oxygen may be administered. Call a physician.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection Not required under normal use conditions.	
Ventilation Requirements N/A <input type="checkbox"/> Local Exhaust <input type="checkbox"/> Mechanical <input type="checkbox"/> Other	Eye Protection Safety Glasses/Goggles
Protective Gloves Rubber/PVC	Other Protective Clothing Protective clothing appropriate to minimize contact during specific operations .

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps To Be Taken If Released or Spilled Safely stop spill at source. Contain spill by diking with soil or other inert material. Mop, pump or absorb with material and reclaim into sound containers for reuse, recycle or proper disposal.
Waste Disposal Methods Dispose of in an approved waste facility according to Federal, State and local regulations.

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken In Handling and Storage No special requirements if product is handled according to good manufacturing practices. Wash after handling. Keep container closed when not in use.
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DOT Class Not Regulated

The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

HMIS HAZARD RATING

HEALTH	1	0 - LEAST
FLAMMABILITY	0	1 - SLIGHT
REACTIVITY	0	2 - MODERATE
PERSONAL PROTECTION	X	3 - HIGH
		4 - EXTREME