

# MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

DATE PREPARED: 3/1/2007

CODE: 1451

SECTION 1 - PRODUCT IDENTIFICATION			
Distributor <b>Actiblend Systems, A Division of Nuance Solutions</b>	Emergency Phone 800.309.5869		
Address 900 East 103rd Street, Chicago, Illinois 60628	Prepared By: DR		
Trade Name <b>FORMULA FOUR FINISHED CONCENTRATE</b>	Product Type Steam & Pressure Cleaner		
SECTION 2 - INGREDIENTS			
CHEMICAL NAME/COMMON NAME	CAS NO.	PERCENT(optional)	TLV(Source)
Potassium Hydroxide	1310-58-3	<10%	2mg/M3 (CEILING)
Dipotassium E.D.T.A.	2001-94-7	<10%	2mg/M3(as KOH)
Nonionic Surfactant	9016-45-9	<10%	None Established
SARA HAZARD: TITLE III, SECTION 313: Contains no Section 313 listed substances subject to reporting requirements.			
SECTION 3 - PHYSICAL DATA			
Boiling point (°F.) 212°F	Specific Gravity (H2O=1.0)	1.0 ± 0.005	pH 13.2 ± 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 red-colored liquid with 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 noncombustible. 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 Strong Acids, Strong Oxidizers.		
Hazardous Decomposition Products	Burning may produce oxides of carbon and other substances.		
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)	Corrosive material. Will cause burns of skin and eyes with prolonged contact. Corneal damage likely if contact with eyes is prolonged. Generated mists may be severely irritating and cause damage to respiratory tract if inhaled. If swallowed will cause irritation and burns of mucous membranes as well as nausea, vomiting and abdominal pain.		
Signs and Symptoms of Overexposure (Chronic):	Chronic local effect may consist of multiple areas of superficial destruction of the skin or of primary irritant dermatitis.		
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 a 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. Avoid misting conditions unless protected.		
Ventilation Requirements	Normal <input type="checkbox"/> Local Exhaust <input type="checkbox"/> Mechanical <input type="checkbox"/> Other <input type="checkbox"/>	Eye Protection Safety Glasses/Goggles	
Protective Gloves	Rubber/PVC	Other Protective Clothing Normal work clothing covering arms and legs.	
SECTION 9 - SPILL OR LEAK PROCEDURES			
Steps to be Taken If Released or Spilled	Do not touch or walk through spilled material. Stop leak if you can do it without risk. Take up small spills with sand or other inert absorbent material and place into containers for later disposal. Dike ahead of large spill for later 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	WARNING: Corrosive liquid. Handle all containers carefully. Keep container closed when not in use. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse. Neutralized material is not RCRA hazardous. Do not get in eyes, on skin or clothing. DOT Classification : Corrosive Liquid, Basic, inorganic, n.o.s. (contains potassium hydroxide), 8, UN3266, PGII.		

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	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

0 - LEAST  
1 - SLIGHT  
2 - MODERATE  
3 - HIGH  
4 - EXTREME