

MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

Date Prepared: 5/14/2009

Code: 8700

SECTION 1 - PRODUCT IDENTIFICATION

Distributor: Factory Cleaning & Equipment	Emergency Phone: 1-630-406-9988
Address: 1578A Beverly Court, Aurora, IL 60502	Prepared By: DR
Trade Name: FORMULA PLUS FAST FILL	Product Type: Cleaner/Degreaser Superconcentrate

SECTION 2 - INGREDIENTS

CHEMICAL NAME/Common Name	CAS NO.	WT. %(opt)	TLV(Source)	TITLE III, SECT. 313
Potassium Hydroxide	1310-58-3	15 - 25%	2ppm (TWA) (STEL)	No
Nonionic Surfactant	Proprietary	15 - 35%	None Established	No
Ethanolamine	141-43-5	15 - 35%	3ppm (TWA) ; 6ppm	No
Dipotassium EDTA	2001-94-7	10 - 25%	None Established	No
Water	7732-18-5		None Established	No

SECTION 3 - PHYSICAL DATA

Boiling point (°F.)	212°F	Specific Gravity (H2O=1.0)	1.15 ± 0.005	pH	14.0 ± 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, dark red - colored liquid with no distinct odor.		

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.)	Above 200 °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. Nitrites (See Sect 10).
Hazardous Decomposition Products	Burning may produce oxides of carbon and nitrogen along with ammonia 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 checked="" 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)	Repeated skin contact may cause a persistent irritation or dermatitis. Repeated inhalation may cause lung				
Medical Conditions Aggravated by Overexposure	Existing respiratory conditions and/or 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	Aspiration into lungs may occur during ingestion or vomiting, resulting in lung injury. Do not induce vomiting. Obtain emergency medical
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 with ventilation sufficient to control vapors/mists below regulatory limits.
Ventilation Requirements	N/A <input type="checkbox"/> Local Exhaust <input type="checkbox"/> Mechanical <input type="checkbox"/> Other
Protective Gloves	Rubber/PVC Other Protective Clothing: Impervious protective clothing appropriate to minimize contact (i.e.: boots, apron, faceshield)

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 without risk. Dike ahead of large spills to prevent run-off. Mop, pump or take up with sand or other inert absorbent and reclaim into 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	Warning. Corrosive Liquid. Do not get in eyes, on skin or clothing. Keep container closed when not in use. Prevent combinations with nitrosating agents (nitrites), as potentially hazardous nitrosamines could be formed. VOC = 277 grams/ liter (25% by wt.)
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DOT Class 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	0 - LEAST
FLAMMABILITY	0	1 - SLIGHT
REACTIVITY	0	2 - MODERATE
PERSONAL PROTECTION	X	3 - HIGH
		4 - EXTREME