

MATERIAL SAFETY DATA SHEET

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SECTION I

Product Identity (Name / Number)	FCC-84 Heavy Duty Degreaser and Floor & Concrete Cleaner / 9584
Chemical Family	Alkaline Cleaner
	Corrosive liquids, n.o.s. (contains Sodium hydroxide solution), 8, UN1760, PGII. CORROSIVE.
	HMIS & NFPA Ratings: Health = 3 Fire = 0 Reactivity = 1

SECTION II - Hazardous Ingredients

Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Sodium Hydroxide	2 mg/m ³	2 mg/m ³		Proprietary
Ethylene Glycol Monobutyl Ether	25ppm	25ppm		Proprietary
Methanol	200ppm	200ppm		< 1%

SECTION III - Physical & Chemical Characteristics

Boiling Point	Above 212°F	Specific Gravity	1.1
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
pH	13	Evaporation Rate (Ethyl Ether=1)	Less than 1
Solubility in Water	Complete	Appearance / Odor	Colorless Liquid / Solvent

SECTION IV - Fire & Explosion Hazard Data

Flammable Limits (Explosive Limit)	Upper:	N/A	Lower:	N/A
Flash Point (Method Used)	N/A			
Extinguishing Media	Material is non-flammable. Water spray, foam, carbon dioxide, or dry chemical may be used for surrounding fires.			
Special Fire Fighting Procedures	Product is not flammable. Wear full protective clothing. Avoid direct contact of this product with water as this can cause a violent exothermic reaction.			
Unusual Fire and Explosion Hazards	Avoid contact with aluminum, zinc, tin and their alloys since product reacts with these metals generating hydrogen gas which is flammable and/or explosive when ignited. Do not mix with strong acids to prevent violent or explosive reaction.			

SECTION V - Reactivity Data

Stability:	Unstable	X	Stable
Hazardous Polymerization:	X	Will Not Occur	May Occur
Conditions To Avoid	Excessive heat. See Special Precautions.		
Incompatibility (Materials to Avoid)	Strong acids; also see Section IV. Avoid contact with water, metals, leather, wool, organic halogen compounds and organic nitro compounds.		
Hazardous Decomposition or Byproducts	Reacts with aluminum, zinc and their alloys generating hydrogen gas which is flammable and/or explosive when ignited.		

SECTION VI(a) - Health Hazard Data

Inhalation	CORROSIVE. Breathing mists may cause damage to nasal and respiratory passages.
Eye	Highly CORROSIVE. Even slight contact of the liquid with eyes will result in irritation and severe burns.
Skin	Product is corrosive and will cause skin burns. Treat immediately.
Ingestion	Swallowing will result in severe damage to mucous membranes. Ingestion may cause intense pain, nausea, vomiting and collapsing. Contains methanol which may cause blindness.

Reported As Potential Carcinogen or Carcinogen

International Agency for Research on Cancer	X	Not Applicable
National Toxicology Program		OSHA

SECTION VI(b) - First Aid Procedures

Inhalation	Remove victim to fresh air. If breathing is difficult, administer oxygen. If not breathing, perform artificial respiration. Get medical attention.
Eye	Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids open. Get medical attention.
Skin	Wash thoroughly with water for at least 15 minutes. Remove contaminated clothing. Get medical attention.
Ingestion	Do NOT induce vomiting. If conscious and alert, give large quantities of water. Get medical attention.

SECTION VI(c) - Employee Protection

Respiratory Protection (Utilize NIOSH approved respirators. Refer to manufacturer's protection factors and OSHA standard 1910.134 as a guideline.) CORROSIVE. If TLV of product is exceeded, use NIOSH approved respirator, fully enclosed.

SPECIAL PROTECTION INFORMATION:

EYE	Chemical safety goggles or full face shield required.
SKIN	Chemical resistant gloves required, natural and butyl rubber gloves suggested.
VENTILATION	Provide sufficient mechanical ventilation to maintain exposure below TLV's.
SPECIAL PROTECTION	Impervious clothing and boots may be worn to prevent skin contact. Showers and eyewash facilities should be in close proximity.

SECTION VII - Special Precautions

Handling and Storage	Store in dry, cool area. Excessive heat may cause pressure build-up. Avoid contact with metals, organic halogen compounds and nitro compounds. Do not store with strong acids. Keep container closed.
Other Precautions	Addition of water releases heat which may result in boiling or splattering. Always add small amounts of material to water. Do not add water to material.

SECTION VIII - Environmental Protection

Spills / Releases	Trained personnel wearing protective equipment should contain spill. Neutralize with dilute acid. Scoop up and wash site. Notify authorities for spills of 1,000 Lb. or more.
Waste Disposal Method	Neutralize alkalinity with sodium bicarbonate or dilute acid. Dispose of in accordance with applicable local, state and federal regulations.

DISCLAIMER

The information contained herein is based upon data available to us and reflects our best professional judgment. Since it is impossible to anticipate the conditions under which our products may be used, we cannot guarantee that the recommendations will be adequate for all individuals and situations. Each user of this product should determine the suitability of the product for his particular purpose and should comply with all federal, state and local regulations. Our goal is to manufacture products with zero or minimal hazards. Our products are improved daily as up-to-date information and research is received from our suppliers to use products with less or no hazards. Please feel free to contact us for current information.