SAFETY DATA SHEET
(Prepared According to 29 CFR 1910. 1200)

SECTION 1 - IDENTIFICATION

Trade Name: MIRACOIL II	Product Use: COIL CLEANER	
Supplier: THE BULLEN COMPANIES	Phone #: 1-800-444-8900	Emergency Phone #: (800) 255-3924
Address: 1640 DELMAR DRIVE, FOLCROFT, PA. 19032	Code: MR2	

SECTION 2 - HAZARDS IDENTIFICATION

Classification: Severe skin burns and eye damage

Signal Word: DANGER

Symbol(s):

GHS Hazard Statement:

Physical Hazards: CORROSIVE

Health Hazards: Causes severe skin burns and eye damage

Precautionary Statements:

Avoid contact of liquid product with eyes and skin. Prolonged or repeated contact with skin and/or eyes can cause chemical burns. If taken internally may cause damage to mouth, throat or stomach. Flush eyes and skin immediately with plenty of water for at least 15 minutes. If swallowed do not induce vomiting. Give large quantities of water , followed by one ounce of vinegar in an equal amount of water. Call a physician.

SECTION 3 - COMPOSIT/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NO.	% BY WEIGHT	PEL (TLV)
Sodium Hydroxide	1310-73-2	10-20	see below
Tetrasodium Ethylenediamineteraacetate	64-02-8	1-5	Not est.
Surfactant Mix	Proprietary	1-5	Not est.

* The specific chemical identity and exact percentage of this ingredient have been withheld as a trade secret.

SECTION 4 - HEALTH INFORMATION - FIRST AID MEASURES

Symptoms & Acute Effects: Corrosive to the skin and eyes

Delayed Effects: None known

Typical Routes of Exposure: are the skin and eyes.

TREATMENT

Eyes: Rinse immediately with water for at least 15 minutes. Call a physician.

Skin: Flush skin with plenty of water for at least 15 minutes. Remove contaminatged clothing/shoes. Call a physician. Wash clothing before reuse.

Ingestion: If swallowed do not induce vomiting. Give large quantities of water , followed by one ounce of vinegar in an equal amount of water. Call a physician.

Inhalation: No special measures required. Treat symptomatically

SECTION 5 - FIRE-FIGHTING MEASURES

Flash Point: none to boiling	Lower Explosive Limit: Not available	Upper Explosive Limit: Not available
Extinguishing Techniques: In case of fire, use appropriate extinguishing agent for surrounding fires. CO2, dry chemical, foam, water spray.		
Equipment: Do not enter confined fire-spaces without protective clothing and self-contained air supply.		
Chemical Hazards from Fire: May emit hazardous fumes under fire conditions.		
Precautions for Fire Fighters: None known.		

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Steps to be Taken:	Small spills flush area with water. Neutralize spill with dilute acids. Large spills remove as much material as possible then neutralize as with small spills.
Cleanup Procedures:	Use a water rinse for final clean-up.

SECTION 7 - HANDLING AND STORAGE

Precautions to be Take in Handling & Storage:	Do not get in eyes, skin or on clothing. Avoid breathing vapor or mist. Keep containers closed. Use with adequate ventilation. Wash thoroughly after handling.
Incompatibility:	Strong Oxidizers

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS:	EXPOSURE LIMITS
Sodium Hydroxide 1310-73-2	2mg/m3(ceiling)(OSHA); 2mg/m3 (ceiling)(ACGIH)

Eye Protection: ✔	Protective Gloves: ✔	Respiratory Protection: ☐	
Ventilation Requirements	Local Exaust: ✔	Mechanical: ☐	Room Ventilation is Adequate: ☐

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: Blue Liquid citrus odor		Flammable Limits: Upper: Not available Lower: Not available	
Boiling Point (^{0}F): Near 212	Specific Gravity (H20) ($\pm$0.005): 1.100		pH ($\pm$ 0.5) 14
Vapor Pressure (mm Hg) Unknown		Vapor Density (Air=1) Unknown	
Solubility in Water: ✔ Complete ☐ Insoluble ☐ Emulsifiable (or Dispersible) ☐ Slightly (or Partial)			
Evaporation Rate (vs H2O) ☐ Faster ☐ Slower ✔ About the Same			
Flash Point (T.C.C.): none to boiling ^{0}F	Odor Threshold: Not available	Melting point/frozen point: Not available	Partition Coefficient: n-octanol/water: Not available
Auto-Ignition Temperature: Not available	Decomposition Temperature: Not available	Viscosity: Not available	

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable	Incompatibility: None known
Hazardous Decomposition Products:	May emit hazardous fumes under fire conditions.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity: None	Skin Sensitization: Not a sensitizer
Skin Irritation: Corrosive to skin	Mutagenicity: Not a mutagen
Eye Irritation: Corrosive to eyes	Reproductive Toxicity: None

Carcinogen/Suspect Carcinogen Ingredients: ☐ NTP ☐ OSHA ☐ ARC ☑ NONE

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Ecotoxicity Not reported

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Methods: This material is a hazardous waste with the corrosivity characteristic. Code D002.

SECTION 14 - TRANSPORT INFORMATION

DOT: UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, n.o.s., (Contains Sodium Hydroxide), 8 PGII.

SECTION 15 - REGULATORY INFORMATIOM

All ingredients in this product are listed on the TSCA Inventory.

SARA 302 Health Hazard: Acute

SARA 313 Chemicals: None

SECTION 16 - OTHER INFORMATION

DATE PREPARED: 3/12/2015

HMIS HAZARD RATINGS:

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION EQUIPMENT	B