

# SAFETY DATA SHEET

Date Issued : 09/16/2019

SDS No : X0500

X0500

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** X0500

**GENERAL USE:** Remove carbon, grease, and oils from industrial floors, machinery and tools.

**PRODUCT DESCRIPTION:** Heavy Duty Solvent-Base Cleaner/Degreaser

**CHEMICAL FAMILY:** Alkali/solvent/detergent blend

### MANUFACTURER

MISCO Products Corporation

1048 Stinson Drive

Reading, PA 19605

**Emergency Phone:** 610-926-4106

**Customer Service:** 800-548-4568

**Transportation:** 800-548-4568

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEM-TEL (Medical and Transportation):** 800-255-3924

**POISON CONTROL CENTER (Medical):** 800-222-1222

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATIONS

#### Health:

Skin Corrosion, Category 1B

Eye Corrosion, Category 1

Acute Toxicity (Oral), Category 4

#### Physical:

Corrosive to Metals, Category 1

### GHS LABEL



Corrosion Exclamation  
mark

### SIGNAL WORD: DANGER

### HAZARD STATEMENTS

H318: Causes serious eye damage.

H314: Causes severe skin burns and eye damage.

H302: Harmful if swallowed.

H290: May be corrosive to metals.

### PRECAUTIONARY STATEMENT(S)

#### Prevention:

P260: Do not breathe fumes, gas, mist, vapors or spray.

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P270: Do not eat, drink or smoke when using this product.

P234: Keep only in original packaging.

#### Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P311: Call a POISON CENTER or doctor/physician.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P363: Wash contaminated clothing before reuse.

P390: Absorb spillage to prevent material damage.

#### Storage:

P405: Store locked up.

P406: Store in a corrosion resistant plastic container or a metal container with a resistant inner liner.

**Disposal:**

P501: Dispose of contents/container according to all local, state and Federal regulations.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Red liquid

**IMMEDIATE CONCERNS:** Causes irreversible eye damage and skin burns.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Corrosive, contact causes severe eye burns.

**SKIN:** Contact causes severe skin irritation and possible burns.

**SKIN ABSORPTION:** None Expected.

**INGESTION:** Harmful if swallowed.

**INHALATION:** Mist is irritating to nose, throat and lungs.

**REPRODUCTIVE TOXICITY**

**REPRODUCTIVE EFFECTS:** No known significant effects or critical hazards.

**TERATOGENIC EFFECTS:** No known significant effects or critical hazards.

**CARCINOGENICITY:** Not Established

**MUTAGENICITY:** No known significant effects or critical hazards.

**ROUTES OF ENTRY:** Eye, skin, ingestion.

**CANCER STATEMENT:** None

**SENSITIZATION:** No known significant effects or critical hazards.

**WARNING CAUTION LABELS:** Corrosive

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Sodium Silicate	1 - 5	6834-92-0
Sodium Hydroxide	1 - 5	1310-73-2
Sodium Xylene Sulfonate	5 - 10	1300-72-7
Ethoxylate Alcohol C9-11	5 - 10	68439-46-3
Ethylene glycol butyl ether	0 - 5	111-76-2
Benzyl Alcohol	1 - 5	100-51-6
Dye	< 0.1	TS
Water	50 - 60	7732-18-5

**COMMENTS:** If CAS number is "TS", the specific chemical identity has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

**SKIN:** Remove contaminated clothing. Immediately flush with water followed by washing with mild soap. Seek medical attention.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Seek medical attention if you feel un-well.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Severe burning sensation, damage marked by burns.

**SKIN:** Burning sensation, redness, swelling and possible blistering.

**SKIN ABSORPTION:** None Expected.

**INGESTION:** Irritation of mouth, throat, along with stomach upset, vomiting.

**INHALATION:** Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

**ACUTE EFFECTS:** Corrosive to eyes and skin. Harmful if inhaled. Harmful if swallowed

**NOTES TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASS:** None

**EXTINGUISHING MEDIA:** Use an extinguishing agent suitable for the surrounding fire.

**EXPLOSION HAZARDS:** Fire exposed containers may burst due to increased pressure from heat.

**FIRE FIGHTING PROCEDURES:** Keep fire exposed containers cool with water stream or mist.

**FIRE FIGHTING EQUIPMENT:** Not Established

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Established

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Avoid runoff into storm sewers and ditches which lead to waterways.

**LARGE SPILL:** Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid discharges into open waterways.

**LAND SPILL:** Avoid discharge to soil.

**AIR SPILL:** NA = Not Applicable

**GENERAL PROCEDURES:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

**SPECIAL PROTECTIVE EQUIPMENT:** Eye protection, rubber gloves, rubber boots to protect feet.

#### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Close container after use.

**HANDLING:** Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

**STORAGE:** Store in closed container in an area inaccessible to children.

**STORAGE TEMPERATURE:** Store at ambient temperatures.

**STORAGE PRESSURE:** Store at ambient atmospheric pressure.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### EXPOSURE GUIDELINES

##### OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

Chemical Name	EXPOSURE LIMITS			
	Type	ppm	mg/m <sup>3</sup>	
Sodium Hydroxide	OSHA PEL	TWA	2 mg/m <sup>3</sup>	
	ACGIH TLV	TWA	2 mg/m <sup>3</sup>	
Ethylene glycol butyl ether	OSHA PEL	TWA	50	
	ACGIH TLV	TWA	20	
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL
Benzyl Alcohol	Supplier OEL	TWA	10 ppm <sup>[1]</sup>	

##### Footnotes:

1. USA. Workplace Environmental Exposure levels (WEEL)

**ENGINEERING CONTROLS:** Provide mechanical ventilation when used in confined areas, or areas with poor ventilation.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Chemical splash goggles and full face-shield.

**SKIN:** Rubber or other chemical resistant gloves.

**RESPIRATORY:** Where danger of mist contact may occur, wear NIOSH approved respiratory protection for mists.

**PROTECTIVE CLOTHING:** Chemical resistant outerwear (tyvek) if contact with spray or mist is anticipated.

**WORK HYGIENIC PRACTICES:** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Characteristic.

**ODOR THRESHOLD:** Not Established

**COLOR:** Red

**pH:** 13.0 to 14.0

**PERCENT VOLATILE:** >80

**FLASH POINT AND METHOD:** None

**FLAMMABLE LIMITS:** N/A

**AUTOIGNITION TEMPERATURE:** NA = Not Applicable

**VAPOR PRESSURE:** ~ 20 mm Hg at 20°C (68°F)

**VAPOR DENSITY:** ~ 1 Air = 1

**BOILING POINT:** 212° F; 100° C

**FREEZING POINT:** 32° F; 0° C

**THERMAL DECOMPOSITION:** Not Available

**SOLUBILITY IN WATER:** Complete

**EVAPORATION RATE:** (Water =1) 1.0

**DENSITY:** 8.94 at 20°C (68°F)  
**SPECIFIC GRAVITY:** ~ 1.072 grams/ml. at 20°C (68°F)  
**VISCOSITY:** Water thin.  
**(VOC):** 4.83 % by weight

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Reacts violently with strong acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**INCOMPATIBLE MATERIALS:** Strong acids, oxidizers.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Sodium Silicate	1500 to 3200 mg/kg (rat)		
Sodium Hydroxide	300 to 500 mg/kg (rat)	> 2000 mg/kg (rabbit)	
Ethoxylate Alcohol C9-11	1400 mg/kg (rat)	> 5000 mg/kg (rat)	No data available
Ethylene glycol butyl ether	1300 mg/kg (rat)	> 2000 mg/kg (rabbit)	> 3.1 mg/l
Benzyl Alcohol	1230 to 3100 mg/kg (rat)	2000 mg/kg (rabbit)	200 to 300 mg/l (rat)

**DERMAL LD<sub>50</sub>:** Not Established

**ORAL LD<sub>50</sub>:** Not Established

**INHALATION LC<sub>50</sub>:** Not Established

**SKIN CORROSION/IRRITATION:** Corrosive

**SERIOUS EYE DAMAGE/IRRITATION:** Corrosive

**GERM CELL MUTAGENICITY:** No known significant effects or critical hazards.

### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Ethylene glycol butyl ether	No listed substance	Group 3 - Not classifiable as to its carcinogenicity to Humans	No listed substance

### IARC:

The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of 2-butoxyethanol in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity to humans).

**REPRODUCTIVE TOXICITY:** No known significant effects or critical hazards.

**STOT-SINGLE EXPOSURE:** Not Established

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not Established

**ECOTOXICOLOGICAL INFORMATION:** This material may be toxic to aquatic life.

**BIOACCUMULATION/ACCUMULATION:** Not Established

**AQUATIC TOXICITY (ACUTE):** Not Established

**CHEMICAL FATE INFORMATION:** Not Established

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. If discarded, this material and its containers should be treated as hazardous waste based on the characteristics of corrosivity as defined under federal RCRA regulations (40 CFR 261). Consult local authorities for disposal into public sewer.

**FOR LARGE SPILLS:** Consult with local and state authorities for large volume disposal.

**PRODUCT DISPOSAL:** Any method in accordance with local, state, and federal laws. Best method is to recycle or reuse for intended purpose.

**EMPTY CONTAINER:** Rinse container with clear water. Offer container for recycling, or dispose of in trash.

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Corrosive liquid, basic, inorganic, n.o.s.

**TECHNICAL NAME:** Sodium Hydroxide Solution

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** 3266

**PACKING GROUP:** III

**PLACARDS:** Corrosive

**LABEL:** Certain package sizes determine the proper labeling of containers. Consult manufacturer for specific information regarding proper labeling.

**OTHER SHIPPING INFORMATION:** Certain shipping modes and packaging sizes may have exceptions from the transport regulations. The classifications/information provided above may not reflect applicable exceptions. Contact the manufacturer for more specific information on the proper shipping of this material.

**U.S. CUSTOMS HARMONIZATION NUMBER:** 3402.90.10.00

**AIR (ICAO/IATA)**

**SHIPPING NAME:** Corrosive liquid, basic, inorganic, n.o.s.

**TECHNICAL NAME:** Sodium Hydroxide Solution

**UN/NA NUMBER:** 3266

**PRIMARY HAZARD CLASS/DIVISION:** 8

**PACKING GROUP:** III

**LABEL:** Corrosive

**NOTE:** Certain shipping modes and packaging sizes may have exceptions from the transport regulations. The classifications/information provided above may not reflect applicable exceptions. Contact the manufacturer for more specific information on the proper shipping of this material.

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** Corrosive liquid, basic, inorganic, n.o.s.

**TECHNICAL NAME:** Sodium Hydroxide Solution

**UN/NA NUMBER:** 3266

**PRIMARY HAZARD CLASS/DIVISION:** 8

**PACKING GROUP:** III

**PLACARDS:** Corrosive

**NOTE:** Certain shipping modes and packaging sizes may have exceptions from the transport regulations. The classifications/information provided above may not reflect applicable exceptions. Contact the manufacturer for more specific information on the proper shipping of this material.

**15. REGULATORY INFORMATION**

**UNITED STATES**

**DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**



Corrosive



Limited  
Quantity  
Ground

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HEALTH HAZARDS:** Health - Acute

**311/312 PHYSICAL HAZARDS:** Corrosive to Metals

**313 REPORTABLE INGREDIENTS:** 2-butoxyethanol 111-76-2 (Category: N230 Certain Glycol Ethers)

**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt.%	CAS
Ethylene glycol butyl ether	0 - 5	111-76-2

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** No listed substance

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** Not Established

Chemical Name	Wt.%	CERCLA RQ
Sodium Hydroxide	1 - 5	1,000 lbs.

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** All ingredients are listed on the TSCA Chemical Inventory.

**CLEAN AIR ACT**

**40 CFR PART 68--RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION:** No listed substance  
**CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS):** No listed substance

**STATES WITH SPECIAL REQUIREMENTS**

Chemical Name	Requirements
Sodium Silicate	Pennsylvania Right to Know Substance New Jersey Right To Know Substance
Sodium Hydroxide	Massachusetts Right to Know Substance New Jersey Right To Know Substance Pennsylvania Right to Know Substance Rhode Island Right to Know Substance
Ethylene glycol butyl ether	Massachusetts Right to Know Substance Pennsylvania Right to Know Substance New Jersey Right To Know Substance
Benzyl Alcohol	Massachusetts Right to Know Substance Pennsylvania Right to Know Substance New Jersey Right To Know Substance

**CALIFORNIA PROPOSITION 65:** None

**CLEAN WATER ACT:** No listed substance

**CARCINOGEN:**

The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of 2-butoxyethanol in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity to humans).

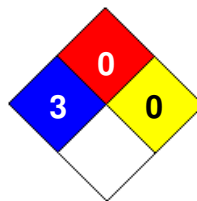
**16. OTHER INFORMATION**

**Date Prepared:** 09/16/2019

**HMIS RATING**

<b>HEALTH</b>	<input type="checkbox"/>	<b>3</b>
<b>FLAMMABILITY</b>	<input type="checkbox"/>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<input type="checkbox"/>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<input type="checkbox"/>	<b>D</b>

**NFPA CODES**



**MANUFACTURER DISCLAIMER:** This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.