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VERSION: 1

## 1. IDENTIFICATION

### PRODUCT IDENTIFIER

**PRODUCT NAME** Multi-Surface Cleaner

### OTHER MEANS OF IDENTIFICATION

**SDS Number** E-002

**UN/ID Number** UN 1760

**Product Code** A42

**Recommended Uses** Cleaner/Degreaser

### SDS-SUPPLIER INFORMATION

**SUPPLIER ADDRESS** E-ZOIL Products, Inc.  
*DBA Emulso*  
2750 Kenmore Avenue  
Tonawanda, NY 14150

### EMERGENCY TELEPHONE NUMBER

**COMPANY PHONE NUMBER** (716) 854-2889

**COMPANY FAX NUMBER** (716) 854-2809

**24-HOUR EMERGENCY TELEPHONE (ACCOUNT #8686)**

**NORTH AMERICA** 800-535-5053

**INTERNATIONAL** 352-323-3500

## 2. HAZARDS IDENTIFICATION

### CLASSIFICATION

Acute toxicity-Oral Category 4

Skin corrosion/irritation Category 1 Sub-category C

Serious eye damage/eye irritation Category 1

**SIGNAL WORD:** Danger

### HAZARD STATEMENTS



**HAZARD STATEMENTS**

1. Causes severe skin burns and eye damage
2. Harmful if swallowed

**APPEARANCE:** CLEAR

**PHYSICAL STATE:** LIQUID

## PRECAUTIONARY STATEMENTS

<b>PREVENTION</b>	Do not breathe dust/fume/gas/ mist/ vapors/ spray Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Wear protective gloves/ protective clothing/ eye protection/ face protection
<b>RESPONSE</b>	Immediately call poison center or doctor/ physician
<b>IF SWALLOWED</b>	Call POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.
<b>IF IN EYES</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician
<b>IF ON SKIN/HAIR</b>	Immediately remove all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse.
<b>IF INHALED</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a POISON CENTER or doctor/physician.
<b>IF EXPOSED/CONCERNED</b>	Get medical advice/ attention.
<b>STORAGE</b>	Store locked-up.
<b>DISPOSAL</b>	Dispose of contents/container to an approved waste disposal plant.
<b>HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)</b>	N/A
<b>OTHER INFORMATION</b>	N/A

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT - %	TRADE SECRET
Water	7732-18-5	To 100%	X
Potassium Hydroxide	1310-58-3	0-10	X
Non-ionic Surfactant	Proprietary	0-10	X
Sodisilicateum metasilicate	6834-92-0		

## 4. FIRST-AID MEASURES

### DESCRIPTION OF FIRST AID MEASURES

<b>GENERAL ADVICE</b>	Immediately call a POISON CENTER or doctor/physician.
<b>EYE CONTACT</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
<b>SKIN CONTACT</b>	Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.
<b>INHALATION</b>	Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call poison center or doctor/ physician.
<b>INGESTION</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink 1-2 glasses of water. Immediate medical attention is required.

### POTENTIAL ACUTE HEALTH EFFECTS

*Most important symptoms and effects, both acute and delayed*

<b>SYMPTOMS</b>	Exposed individuals may experience eye tearing, redness and discomfort. Contact will cause irritation and redness to be exposed areas. May cause irritation to the mucous membranes and upper respiratory tract. May cause gastrointestinal tract irritation, nausea, vomiting, and diarrhea.
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**NOTES TO PHYSICIAN** Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**UNSUITABLE EXTINGUISHING MEDIA** None known

**SPECIFIC HAZARDS ARISING FROM CHEMICAL** Not determined

### PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/ NIOSH (approved and equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

**PERSONAL PRECAUTIONS** Use personal protective equipment as required. Spills may be slippery.  
**ENVIRONMENTAL PRECAUTIONS** Prior permitting may be required before any detergent chemicals can be put into city sewers

### METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN-UP

**CONTAMINATION** Prevent further leakage or spillage is safe to do so  
**CLEAN-UP** Sweep up and reclaim for use or flush to sewer

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

**PROTECTIVE MEASURES** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/vapor/spray. Do not eat, drink, or smoke when using this product. Use personal protection recommended in Section 8.

### CONDITIONS FOR SAFE STORAGE (INCLUDING ANY INCOMPATIBILITIES)

**STORAGE CONDITIONS** Keep containers tightly closed in a dry, cool, and well-ventilated place. Store locked up. Protect from freezing. Do not store at temperatures above 120° F. Do not mix with other chemicals.

**INCOMPATIBLE MATERIALS** Strong acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE GUIDELINES

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium hydroxide 1310-58-3	Ceiling: 2 mg/m <sup>3</sup>	(vacated) Ceiling: 2mg/m <sup>3</sup>	Ceiling: 2mg/m <sup>3</sup>
Sodium metasilicate 6834-92-0	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	

**ENGINEERING CONTROLS:** Apply technical measures to comply with the occupational exposure limits.

### INDIVIDUAL PROTECTION MEASURES

**EYE/FACE PROTECTION** Wear approved safety goggles.  
**SKIN/BODY PROTECTION** Wear rubber or neoprene gloves.  
**RESPIRATORY PROTECTION** Ensure adequate ventilation, especially in confined areas.  
**GENERAL HYGIENE** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE</b>	Liquid
<b>APPERANCE</b>	Clear Liquid
<b>COLOR</b>	Clear
<b>ODOR</b>	Not determined
<b>ODOR THRESHOLD</b>	Not determined
<b>pH</b>	Not determined
<b>MELTING POINT/FREEZING POINT</b>	Not determined
<b>BOILING POINT/BOILING RANGE</b>	100°C/ 212° C
<b>FLASH POINT</b>	Non-Flammable
<b>EVAPORATION RATE</b>	No data available
<b>FLAMMABILITY (SOLID, GAS)</b>	N/A
<b>UPPER FLAMMABILITY LIMITS</b>	N/A
<b>LOWER FLAMMABILITY LIMITS</b>	N/A
<b>VAPOR PRESSURE</b>	
<b>SPECIFIC GRAVITY</b>	1.3
<b>RELATIVE DENSITY</b>	No data available
<b>WATER SOLUBILITY</b>	Completely miscible
<b>PARTITION COEFFICIENT N-OCTANOL/ WATER</b>	Not determined
<b>AUTO-IGNITION TEMPERATURE</b>	Not determined
<b>DECOMPOSITION TEMPERATURE</b>	Not determined
<b>VISCOSITY</b>	Not determined

## 10. STABILITY AND REACTIVITY

<b>REACTIVITY</b>	Not reactive under normal conditions
<b>CHEMICAL STABILITY</b>	Stable under recommended storage conditions
<b>POSSIBILITY OF HAZARDOUS REACTIONS</b>	None under normal processing
<b>CONDITIONS TO AVOID</b>	Keep out of reach of children
<b>INCOMPATIBLE MATERIALS</b>	Strong acids
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Produces alkaline vapors in a fire.

## 11. TOXICOLOGICAL INFORMATION

*Information on likely routes of exposure.*

<b>EYE CONTACT</b>	Causes severe eye damage.
<b>SKIN CONTACT</b>	Causes severe skin burns.
<b>INHALATION</b>	Avoid breathing vapors or mists.
<b>INGESTION</b>	May be harmful if swallowed.

### COMPONENT INFORMATION

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Water <b>7732-18-5</b>	=90 mg/kg (Rat)	-	-
Potassium hydroxide <b>1310-58-3</b>	=214 mg/kg (Rat)	-	-
Non-ionic Surfactant	=1310mg/kg (Rat)	=2ML/kg (Rabbit)	-
Sodium metasilicate	=600 mg/kg (Rat)	-	-

**SYMPTOMS** Please see section 4 of this SDS for symptoms.

**CARCINOGENICITY** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP.

**NUMERICAL MEASURES OF TOXICITY-PRODUCT** Not determined.

**THE FOLLOWING VALUES ARE CALCULATED BASED ON CHAPTER 3.1 OF THE GHS DOCUMENT**

ATEMIX (ORAL)	1281 MG/KG
ATEMIX (DERMAL)	27049 MG/KG

## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

CHEMICAL NAME	ALGAE/ AQUATIC PLANTS	FISH	TOXIC TO MICROORGANISMS	CRUSTACEA
Potassium hydroxide <b>1310-58-3</b>	--	80:96h Gambusia affinis mg/L LC50 static	--	--
Sodium metasilicate <b>6834-92-0</b>	--	210:96h Brachydanio rerio mg/L LC50 semi- static 210 96h Brachydanio rerio mg/L LC50	--	216:96h Daphnia magna mg/L EC50
<b>PERSISTENCE AND DEGRADABILITY</b>		Not determined		
<b>BIOACCUMULATION</b>		Not determined		
<b>MOBILITY</b>		Not determined		
<b>CHEMICAL NAME</b>		<b>PARTITION COEFFICIENT</b>		
Potassium hydroxide		0.65		
1310-58-3		0.83		
<b>OTHER ADVERSE EFFECTS</b>		Not determined		

## 13. DISPOSAL CONSIDERATIONS

### WASTE TREATMENT METHODS

<b>WASTE DISPOSAL</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>CONTAMINATED PACKAGING</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

CHEMICAL NAME	CALIFORNIA HAZARDOUS WASTE STATUS
POTASSIUM HYDROXIDE	Toxic
1310-58-3	Corrosive

## 14. TRANSPORT INFORMATION

### DOT

<b>UN/ ID No</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive liquids, n.o.s. ( <i>Potassium hydroxide, sodium metasilicate</i> )
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>Reportable Quantity (RQ)</b>	Potassium hydroxide 1000 LBS

### IATA

<b>UN/ ID No</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive liquids, n.o.s. ( <i>Potassium hydroxide, sodium metasilicate</i> )
<b>Hazard Class</b>	8
<b>Packing Group</b>	III

### IMDG

<b>UN/ ID No</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive liquids, n.o.s. ( <i>Potassium hydroxide, sodium metasilicate</i> )
<b>Hazard Class</b>	8
<b>Packing Group</b>	III

## 15. REGULATORY INFORMATION

### INTERNATIONAL INVENTORIES

#### LEGEND

<b>TSCA</b>	United States Toxic Substances Control Act Section 8(B) Inventory
<b>DSL/NDL</b>	Canadian Domestic Substances List/Non-Domestic Substances List
<b>EINECS/ELINCS</b>	European Inventory of Existing/Notified Chemical Substances
<b>ENCS</b>	Japan Existing and New Chemical Substances
<b>IECSC</b>	China Inventory of Existing Chemical Substances
<b>KECL</b>	Korean Existing and Evaluated Chemical Substances
<b>PICCS</b>	Philippines Inventory of Chemicals and Chemical Substances

## U.S. FEDERAL REGULATIONS

### SARA 313/312 HAZARD CATEGORIES

CHEMICAL NAME	CAS NO.	WEIGHT %	SARA 313-THRESHOLD VALUES %
Proprietary Acid 1		1-10%	1.0

### CLEAN WATER ACT (CWA)

CHEMICAL NAME	REPORTABLE QUANTITIES	TOXIC POLLUTANTS	PRIORITY POLLUTANTS	HAZARDOUS SUBSTANCES
Potassium hydroxide <b>1310-58-3</b>	1000 LBS	--	--	X

  

CHEMICAL NAME	HAZARDOUS SUBSTANCES RQ	CERCLA/SARA RQ	REPORTABLE QUANTITY (RQ)
Potassium hydroxide <b>1310-58-3</b>	1000 LBS	--	RQ 1000lb final RQ RQ 454 kg final RQ

## U.S. STATE REGULATIONS

### U.S. STATE RIGHT-TO-KNOW REGULATIONS

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
Potassium hydroxide <b>1310-58-3</b>	X	X	X

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>HEALTH HAZARDS</b>	<b>FLAMMABILITY</b>	<b>INSTABILITY</b>	<b>SPECIAL HAZARDS</b>
	Not determined	Not determined	Not determined	Not determined
<b>HMIS</b>	<b>HEALTH HAZARDS</b>	<b>FLAMMABILITY</b>	<b>PHYSICAL HAZARDS</b>	<b>PERSONAL PROTECTION</b>
	Not determined	Not determined	Not determined	Not determined



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**END OF SAFETY DATA SHEET**