

ISSUE DATE: September 2013

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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 1-800-633-8253

INTERNATIONAL PERS 1-801-629-0667

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



Safety Data Sheet

PRECAUTIONARY STATEMENTS

PREVENTION	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
RESPONSE	Immediately call poison center or doctor/ physician
IF SWALLOWED	Call POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.
IF IN EYES	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
IF ON SKIN/HAIR	Immediately remove all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse.
IF INHALED	Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a POISON CENTER or doctor/physician.
IF EXPOSED/CONCERNED	Get medical advice/ attention.
STORAGE	Store locked-up.
DISPOSAL	Dispose of contents/container to an approved waste disposal plant.
HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)	N/A
OTHER INFORMATION	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

GENERAL ADVICE	Immediately call a POISON CENTER or doctor/physician.
EYE CONTACT	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.
SKIN CONTACT	Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.
INHALATION	Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call poison center or doctor/ physician.
INGESTION	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

SYMPTOMS	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 ³	(vacated) Ceiling: 2mg/m ³	Ceiling: 2mg/m ³
Sodium metasilicate 6834-92-0	2 mg/m ³	2 mg/m ³	

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

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

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure.

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

COMPONENT INFORMATION

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Water 7732-18-5	=90 mg/kg (Rat)	-	-
Potassium hydroxide 1310-58-3	=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 1310-58-3	--	80:96h Gambusia affinis mg/L LC50 static	--	--
Sodium metasilicate 6834-92-0	--	210:96h Brachydanio rerio mg/L LC50 semi- static 210 96h Brachydanio rerio mg/L LC50	--	216:96h Daphnia magna mg/L EC50
PERSISTENCE AND DEGRADABILITY		Not determined		
BIOACCUMULATION		Not determined		
MOBILITY		Not determined		
CHEMICAL NAME		PARTITION COEFFICIENT		
Potassium hydroxide		0.65		
1310-58-3		0.83		
OTHER ADVERSE EFFECTS		Not determined		

13. DISPOSAL CONSIDERATIONS**WASTE TREATMENT METHODS**

WASTE DISPOSAL	Disposal should be in accordance with applicable regional, national and local laws and regulations.
CONTAMINATED PACKAGING	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**

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

IATA

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

IMDG

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

15. REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

LEGEND

TSCA	United States Toxic Substances Control Act Section 8(B) Inventory
DSL/NDL	Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing/Notified Chemical Substances
ENCS	Japan Existing and New Chemical Substances
IECSC	China Inventory of Existing Chemical Substances
KECL	Korean Existing and Evaluated Chemical Substances
PICCS	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 1310-58-3	1000 LBS	--	--	X

CHEMICAL NAME	HAZARDOUS SUBSTANCES RQ	CERCLA/SARA RQ	REPORTABLE QUANTITY (RQ)
Potassium hydroxide 1310-58-3	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 1310-58-3	X	X	X

16. OTHER INFORMATION

NFPA	HEALTH HAZARDS Not determined	FLAMMABILITY Not determined	INSTABILITY Not determined	SPECIAL HAZARDS Not determined
HMIS	HEALTH HAZARDS Not determined	FLAMMABILITY Not determined	PHYSICAL HAZARDS Not determined	PERSONAL PROTECTION Not determined

DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

END OF SAFETY DATA SHEET