



ISSUE DATE: July 2022

REVISION DATE: July 2022

VERSION: 1

1. IDENTIFICATION

PRODUCT IDENTIFIER

PRODUCT NAME IMAGE

OTHER MEANS OF IDENTIFICATION

SDS Number

Product Code

UN/ID No UN1719

Recommended Uses Liquid laundry detergent

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 2
Skin corrosion/irritation Category 2
Serious eye damage/irritation Category 2B

SIGNAL WORD Danger

HAZARD STATEMENTS

HAZARD STATEMENTS 1. Harmful if swallowed
2. May cause skin burns and eye irritation

APPEARANCE Translucent PHYSICAL STATE Liquid

PRECAUTIONARY STATEMENTS

PREVENTION Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling



Safety Data Sheet

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 If eye irritation persists: Get medical advice/attention.
IF ON SKIN/HAIR	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse.
IF INHALED	Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a poison center or doctor/physician if you feel unwell.
IF EXPOSED/CONCERNED	Get medical advice/ attention.
STORAGE	Store locked-up. Keep away from children.
DISPOSAL	Dispose of contents/container to an approved waste disposal plant.
HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)	N/A
OTHER INFORMATION	Harmful to aquatic life with long lasting effects.
UNKNOWN ACUTE TOXICITY	

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT - %
Nonylphenol Ethoxylate	127087-87-0	10-15
Alcohols, C9-C11, ethoxylated	68439-46-3	3-8
Potassium hydroxide	1310-58-3	1-5

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL ADVICE	Provide this SDS to medical personnel for treatment.
EYE CONTACT	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.
SKIN CONTACT	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.



Safety Data Sheet

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 Causes skin irritation. Causes serious eye damage.

NOTES TO PHYSICIAN Treat symptomatically. Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE-FIGHTING MEASURES

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

UNSUITABLE EXTINGUISHING MEDIA Use of water spray when fighting fire may be Inefficient.

SPECIFIC HAZARDS ARISING FROM CHEMICAL Use water spray to cool adjacent fire exposed containers. Product will not bum but may splatter if temperature exceeds boiling point.

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.

ENVIRONMENTAL PRECAUTIONS See Section 12 for additional Ecological Information.

OTHER INFORMATION Common Weak Acids suitable for neutralizing caustic alkalis: acetic acid, citric acid, lemon juice, tartaric acid, vinegar.

METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN-UP

CONTAMINATION Prevent further leakage or spillage is safe to do so

CLEAN-UP Keep in suitable, closed containers for disposal.

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.

INCOMPATIBLE MATERIALS

Strong Oxidizers and Acids. Soft Metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium hydroxide 1310-58-3	2 mg/m ³	2 mg/m ³	Ceiling: 2 mg/m ³

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

INDIVIDUAL PROTECTION MEASURES

EYE/FACE PROTECTION	Refer to 29 CFR 1910.133 for eye and face protection regulations.
SKIN/BODY PROTECTION	Refer to 29 CFR 1910.138 for appropriate skin and body protection.
RESPIRATORY PROTECTION	Refer to 29 CFR 1910.134 for respiratory protection requirements.
GENERAL HYGIENE	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid
APPEARANCE	Clear
COLOR	Blue
ODOR	None
ODOR THRESHOLD	Not determined
pH	Not determined
MELTING POINT/FREEZING POINT	Not determined
BOILING POINT/BOILING RANGE	Not determined
FLASH POINT	100 °C 212 °F
EVAPORATION RATE	GT 1.00
FLAMMABILITY (SOLID, GAS)	Not determined
UPPER FLAMMABILITY LIMITS	Not determined
LOWER FLAMMABILITY LIMITS	Not determined

VAPOR PRESSURE	17
VAPOR DENSITY	0.62
SPECIFIC GRAVITY	1.05
RELATIVE DENSITY	Not determined
WATER SOLUBILITY	Completely soluble
PARTITION COEFFICIENT	Not determined
N-OCTANOL/ WATER	Not determined
AUTO-IGNITION TEMPERATURE	Not determined
DECOMPOSITION TEMPERATURE	Not determined
VISCOSITY	Not determined
VOE CONTENT	<1%
DENSITY VALUE	8.74

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. Extremes of temperature and direct sunlight.
INCOMPATIBLE MATERIALS	Strong Oxidizers and Acids. Soft metals.
HAZARDOUS DECOMPOSITION PRODUCTS	If burned, normal combustion products: Carbon dioxide, Carbon monoxide; Nitrogen oxides. Hydrogen gas by reaction with incompatible metals.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure.

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

COMPONENT INFORMATION

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Potassium hydroxide 1310-58-3	= 284 mg/kg (Rat)	-	-

SYMPTOMS Please see section 4 of this SDS for symptoms.

NUMERICAL MEASURES OF TOXICITY-PRODUCT Not determined.

12. ECOLOGICAL INFORMATION

ECOTOXICITY Harmful to aquatic life with long lasting effects.

CHEMICAL NAME	ALGAE/ AQUATIC PLANTS	FISH	TOXIC TO MICROORGANISMS	CRUSTACEA
Potassium hydroxide 1310-58-3		BO: 96 h Gambusia affinis mg/L LC50stallc		

PERSISTENCE AND DEGRADABILITY Not determined

BIOACCUMULATION Not determined

MOBILITY

Chemical Name	Partition Coefficient
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Potassium hydroxide	0.65
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1310-58-3	0.83
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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	UN1719
Proper Shipping Name	Corrosive Liquid, Basic, Inorganic, n.o.s. (Potassium Hydroxide)
Hazard Class	8
Packing Group	II

IATA

UN/ ID No	UN1719
Proper Shipping Name	Corrosive Liquid, Basic, Inorganic, n.o.s. (Potassium Hydroxide)
Hazard Class	8
Packing Group	II



IMDG

UN/ ID No	UN1719
Proper Shipping Name	Corrosive Liquid, Basic, Inorganic, n.o.s. (Potassium Hydroxide)
Hazard Class	8
Packing Group	II

15. REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Potassium hydroxide 1310-58-3	X	X					X	X	X	X

LEGEND

TSCA	United States Toxic Substances Control Act Section 8(B) Inventory
DSL/NDSL	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
AICS	Australian Inventory of Chemical Substances

U.S. FEDERAL REGULATIONS

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium hydroxide 1310-58-3	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

SARA 313/312 HAZARD CATEGORIES

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

CLEAN WATER ACT (CWA)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Potassium hydroxide 1310-58-3	1000 lb	-	-	X



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 2	FLAMMABILITY 0	INSTABILITY 0	SPECIAL HAZARDS 1
HMIS	HEALTH HAZARDS 2	FLAMMABILITY 0	PHYSICAL HAZARDS 0	PERSONAL PROTECTION X

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