

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION 1. IDENTIFICATION

Product Identifier: Laundry Pre-Spotter
 Product Use: Enzymatic Laundry Pretreatment
 Manufactured by: Kor-Chem Inc
 5800 Bucknell Dr.
 Atlanta, GA 30336

Product Identification # (PIF): 01065
 Emergency Telephone #: 1-800-535-5053
 General Information #: 404-344-9580
 Date Prepared: October 14, 2022

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification



Signal Word: WARNING

Hazard Class	Category	Code	Hazard Statement
Acute Toxicity- Oral	5	H303	May be harmful if swallowed
Skin Irritation	2	H315	Causes skin irritation
Eye Irritation	2A	H319	Causes serious eye irritation

Precautionary Measures:

Category	Code	Statement
Prevention	P264+P265 P280	Wash thoroughly after handling. Do not touch eyes. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P301+P317 P302+P352 P332+P317 P362+P364 P305+P351+P338 P337+P313	IF SWALLOWED: Get medical help. IF ON SKIN: Wash with soap and water. If skin irritation occurs: Get medical help. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention
Storage		
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial, and local laws and regulations

Description of hazards not otherwise classified: Prolonged skin contact may cause dermatitis. Excessive, long-term contact may produce "soda ulcers" on hands. Excessive, long-term exposure by inhalation may produce perforation of the nasal septum. Ingestion may cause nausea, vomiting, stomachache, and diarrhea. Reacts with acids to release carbon dioxide gas and heat.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Concentration Range %
Surfactant Blend	Trade Secret	Trade Secret	6-8
Sodium Lauryl Ether Sulfate	SLES	9004-82-4	3-5
2-Butoxyethanol	Diethylene glycol monobutyl ether	111-76-2	2-3
Sodium Hydroxide	Caustic Soda	1310-73-2	1-3
Sodium Xylene Sulfonate	SXS	1300-72-7	1-3

SECTION 4. FIRST AID MEASURES

Eyes: Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. If irritation persists, seek medical attention.

Skin: Wash well with soap and water. Remove contaminated clothing and launder before reuse. If irritation persists, seek medical attention.

Inhalation: 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 breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration by way of pocket mask equipped with one-way valve or other proper respiratory device – Do NOT use mouth-to-mouth method if victim inhaled material. Call a physician.

Ingestion: DO NOT INDUCE VOMITING. Call a physician immediately. Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability: Not flammable

Flash Point: Not flammable

Extinguishing Media: Use media appropriate for surrounding fire. Use water spray to cool containers.

Specific hazards arising from chemical: Material reacts with acids to release carbon dioxide gas and heat.

Hazardous combustion products: Oxides of carbon, sodium, sulfur, ketones, organic acids.

Firefighting protective equipment: Wear a self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

Sensitivity to static discharge: This product is not combustible.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Ventilate area. Avoid breathing dusts/fumes/vapors.

Wash thoroughly after handling.

For Small Spills: Avoid dispersal of material into soil, waterways, drains and sewers. Contain discharged material. If sweeping of a contaminated area is necessary, use a dust suppressant agent. Place all spill residues in an appropriate container for chemical wastes and seal it. Wash walking surfaces with water and prevent rinse from contamination of storm drains, sewers, soil, or groundwater. Dispose of chemical waste material in accordance with local, state, and federal regulations.

For Large Spills: Large spills cannot occur due to packaging.

SECTION 7. HANDLING AND STORAGE

Handling: Wear personal protection equipment (Section 8). Use only outdoors or in a well-ventilated area. Avoid breathing dusts/fumes/vapors. Do not pre-mix with other chemicals. When dissolving, add to water cautiously with stirring, as solutions can get hot. Do not eat, drink, or smoke while handling. Wash thoroughly after handling.

Storage: Keep away from heat, flame, or sunlight. Keep from freezing. Keep container tightly closed when not in use. Store locked up. Store in a well-ventilated place. Protect from physical damage. Store away from acids, aluminum, amines, ammonia, and oxidizing agents

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA	ACGIH	NIOSH
Surfactant Blend	Trade Secret	NE	NE	NE
Sodium Lauryl Ether Sulfate	9004-82-4	NE	NE	NE
2-Butoxyethanol	111-76-2	NA	10 ppm (TWA)	NA
Sodium Hydroxide	1310-73-2	2 mg/m ³ (PEL)	2 mg/m ³ (Ceiling)	2 mg/m ³ (Ceiling)
Sodium Xylene Sulfonate	1300-72-7	NE	NE	NE

Engineering Controls: Provide adequate ventilation. Observe occupational exposure limits and keep the risk of exposure to a minimum.

Personal protective equipment:

Eye: Safety glasses with side shields or splash proof goggles.

Skin: Chemical resistant (impervious) gloves. Normal materials handling clothing. Boots.

Respirator: None required where adequate ventilation exists. If airborne concentration is high, use an appropriate respirator or dust mask. If airborne concentrations are above exposure limits, use NIOSH-approved respiratory protection.

Other: Use only outdoors or in a well-ventilated area. Do not eat, drink, or smoke while handling. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Pale-yellow Liquid	Upper/Lower flammability limits	ND
Odor	Soap like	Vapor pressure	ND
Odor threshold	ND	Vapor density (Air = 1)	>1
pH	13.25	Specific gravity (water = 1.0)	1.03
Freezing point	< 0°C (32°F)	Solubility in water	100%
Boiling point	>100°C (212°F)	Partition coefficient (n-octanol/water)	ND
Flash point	Not flammable	Auto-ignition temperature	ND
Evaporation rate (n-butyl acetate=1)	ND	Decomposition temperature	ND
Flammability	Not flammable	Viscosity	ND
		VOC by weight	0%

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions. Reacts with acids to release carbon dioxide gas and heat.

Chemical stability: Stable under normal, ambient temperature and conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Heat, flame, and sparks. Keep from freezing. Do not mix with other chemicals

Incompatible materials: Avoid acids, aluminum, amines, ammonia, and oxidizing agents.

Hazardous combustion products: Oxides of carbon, sodium, sulfur, ketones, organic acids

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity:

Oral (LD50 Rat): 3873.29 mg/kg (Calculated)

Dermal (LD50 Rabbit): 10946.04 mg/kg (Calculated)

Inhalation (LC50 Rat): 228.14 mg/l (4hr) (Calculated)

Skin corrosion/irritation: Skin irritant. Symptoms may include skin reddening, swelling, and itching. Prolonged contact may cause skin drying (dermatitis). Excessive, long-term contact may produce "soda ulcers" on hands.

Serious eye damage/irritation: Serious eye irritant. Symptoms may include a burning sensation, tearing, swelling and redness.

Respiratory or skin sensitization: Inhalation of dusts may cause irritation to respiratory tract. Symptoms may include coughing, a burning sensation of nose and throat and difficulty breathing. Excessive, long-term exposure by inhalation may produce perforation of the nasal septum.

Germ cell mutagenicity: NE

Carcinogenicity: NTP/IARC/OSHA Carcinogen: No component in this product that presents at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed carcinogen.

Reproductive toxicity: ND

STOT-single exposure: May cause respiratory irritation

STOT-repeated exposure: ND

Aspiration hazard: ND

Ingestion: May irritate the mouth, throat, and gastrointestinal tract. May cause nausea, vomiting, stomachache, and diarrhea.

Corrosive to digestive tract. May cause severe pain, burning, vomiting and diarrhea. Lung aspiration may result in chemical pneumonitis, pulmonary edema, damage to lung tissue, and in extreme cases death.

Likely routes of exposure: Eyes, skin, and inhalation

Interactive effects: ND

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

96h LC-50 (fish): >100 mg/L (Calculated)

96h EC-50 (invertebrates): >100 mg/L (Calculated)

48h LC-50 (algae): >100 mg/L (Calculated)

Chronic Ecotoxicity: ND

Persistence and degradability: ND

Bio accumulative potential: ND

Mobility in soil: Soil mobility not determined. This product is soluble in water and may spread in water systems.

Other adverse effects: This product can raise the pH of an aquatic environment, and thus be toxic to fish and aquatic plants. As with all chemicals, work practices should be aimed at eliminating environmental releases.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must comply with all Federal, State/Provincial, and local laws and regulations.

Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind, or weld on or near the container.

RCRA: A waste containing this product may have the RCRA hazardous waste no. D002 Corrosive (40 CFR 261.22).

SECTION 14. TRANSPORT INFORMATION

United States DOT:

UN/ID No.: UN1760

Proper Shipping Name: Corrosive Liquids, n.o.s. (Sodium Hydroxide)

Hazard Class: 8

Packing Group: II

DOT Exemptions: 49 CFR 173.154 (b) 1; 1.0L or 0.3 US gallons or less.

DOT Non-bulk packaging: 49 CFR 173.203

DOT Bulk packaging: 49 CFR 173.242

DOT Special Provisions (49 CFR 172.102): B2, IB2, T11, TP2, TP27

IATA and IMDG:

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DOT Bulk packaging: 49 CFR 173.242

DOT Special Provisions (49 CFR 172.102): B2, IB2, T11, TP2, TP27

Marine Pollutant (IMDG Code): Not listed (49 CFR 172.101)

Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.
 SARA TITLE III Section 311/312:

Immediate (Acute) Health	Yes	Fire Hazard	No
Delayed (Chronic) Health	No	Reactive Hazard	No

SARA Title 313: This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels (40 CFR 372).

CERCLA: This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels (40 CFR 372).

United States Right-To-Know:

Name	CAS #	CA	MA	MN	NJ	PA	IL	RI
Caustic Soda	1310-73-2	x	x	x	x	x	x	x
2-Butoxyethanol	111-76-2		x			x		

Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

RCRA: A waste containing this product may have the RCRA hazardous waste no. D002 Corrosive (40 CFR 261.22).

SECTION 16. OTHER INFORMATION

Date Prepared: October 14, 2022

Hazard Ratings (HMIS): Health 2, Flammability 0, Reactivity 0 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.

Carefully read all instructions on label before handling this product.

Keep out of reach of children.

“FOR INDUSTRIAL USE ONLY”

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CNS	Central Nervous System
CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
HMIS	Hazardous Material Information System
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
STOT	Specific Target Organ Toxicity
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
VOC	Volatile Organic Compounds

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.

SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED, REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.