



SAFETY DATA SHEET

1. Product and company identification

Product Name LIQUID LAUNDRY DETERGENT

Product Code: C-DL05

UN/ID No. US(DOT): Not Dangerous Goods

Recommended use of the chemical

Recommended Use Laundry Detergent for Professional and Industrial use

Supplier: HD Chem
707 W. 16th St.
Long Beach, CA 90813
(888) 443-2436

Print date: 08-08-2018

In case of emergency: Call (888) 443-2436

Product type: Mixture

2. Hazards identification

Appearance: Clear Yellow

Physical State: Liquid

Odor: Lemon Fragrance

Classification

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

Signal Word: Warning

Pictogram



Emergency Overview

May cause respiratory tract irritation. Causes eye irritation

Hazard Statement:

H319: Causes serious eye irritation

H315: Causes skin irritation

Severe eye irritant

Moderate respiratory irritant

Moderate skin irritant

Risk of serious damage to eyes

Potential Health Effects

Exposure routs

Inhalation, Skin absorption, skin contact, Eye Contact, Ingestion

Eye contact

Can cause severe eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure eye tissue.

Skin contact

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Ingestion

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation

It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

Precautionary Statements – Preventions

Wear eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Use only outdoors or in a well-ventilated area
Do not breathe dust/fume/gas/mist/vapors/spray
Wear protective gloves/protective clothing/eye protection/face protection
Other protective measures: Use good personal hygiene practices

Precautionary Statements – Response

Immediately call A POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing immediately call a POISON CONTROL or doctor/physician
IF ON SKIN (or hair): Remove/Take off immediately 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 SWALLOWED: Immediately call a POISON CENTER or doctor/physician, Rinse mouth, Do not induce vomiting

Precautionary Statements – Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements – Disposal

Dispose of contents/container to an approved waste disposal plant

3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Nonylphenol Ethoxylate	9016-45-9	24.23
Sodium Laureth Sulfate	68585-34-2	1.13

4. First aid measures

Eye contact:	Rinse immediately with plenty of water for least 20 minutes while holding eyelids apart. Remove contact lenses if able to do so. Seek immediate medical attention
Skin contact:	Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse
Inhalation:	If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.
Ingestion:	Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended. If aspiration of vomit, turn victim's head to the side.
General advice	Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the breathing has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
Most important symptoms/effects – acute and delayed	Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause; Sore throat, Eye disease. Asthma. Skin disorders and Allergies

5. Fire-fighting measures

Suitable extinguishing media:	Water Spray, Carbon dioxide (CO ₂), Dry chemical
Specific hazards:	Incomplete combustion may form carbon monoxide. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated
Special protective equipment for fire-fighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NOISH (approved or equivalent and full protective gear
Precautions for fire-fighting	Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). DO NOT direct a solid stream of water for foam into hot, burning pools of liquid since this may cause frothing and increase fire intensity. Frothing can be violent and possibly endanger any firefighter standing too close to the burning liquid. Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.
Flammability Class of Flammable Liquids	Combustible Liquid Class IIB

6. Accidental release measures

Personal precautions:	Use personal protective equipment as required. Caution Product may be slippery
Environmental precautions:	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. If run-off occurs, notify proper authorities as required that a spill has occurred. See Section 12, Ecological Information. See Section 13, Disposal Considerations, for additional information.
Methods for cleaning up	
Small spill:	Stop spill at source if safe to do so, dike and contain liquid. Mop up soil and rinse area. Floor may be slippery when wet.
Large spill:	Dike and contain liquid/spill and cap leaking container as necessary to prevent further spreading of spilled material. Absorb liquid on vermiculite, floor absorbent or other absorbent material. Wear rubber boots, gloves and appropriate protective clothing. Shut off source of leak if safe to do so. Pick up and transfer to properly labeled container.

7. Handling and storage

Handling:	Store in a cool, dry, well ventilated area away from heat or flame. Do not destroy or deface the label on container. Adhere to work practice rules established by government regulations. Use only in well-ventilated areas. Avoid contact with eyes. Avoid breathing vapors and/or aerosols. Use personal protective equipment. When using, do not eat, drink or smoke.
Storage	Keep away from direct sunlight. Overheating of an ethoxylate stored under air should be avoided. When an ethoxylate is vigorously mixed in the presence of air or oxygen at temperatures >125 F (50C), it can degrade. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.	
Engineering Controls	Apply technical measures to comply with the occupational exposure limits. Local exhaust ventilation recommended. Eye wash stations. Showers.
<u>Individual-protection measures, such as personal protective equipment</u>	
Eye/Face Protection	Wear goggles to prevent getting into eyes or face, avoid spray or splashing when dispensing liquid. For bulk handling wear suitable protective glasses or goggles
Skin and Body Protection	No information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. When handling bulk quantities, wear chemical resistant gloves, long sleeve and trousers without cuffs
Respiratory Protection	Domestic quantities require no special requirements with normal careful use. When

handling bulk quantities, avoid breathing mist or vapors. When ventilation is inadequate and mist or vapors are generated, respiratory protective equipment should be used suitable for protecting against airborne contaminants.

General Hygiene considerations Use good personal hygiene practices

9. Physical and chemical properties

Physical state	Liquid
Flash Point	N/A
pH	7.5
Boiling/condensation point	Approx. 212 ⁰ F
Specific Gravity	1.023
Solubility in water	Complete

10. Stability reactivity

Stability	Stable under normal conditions
Conditions to avoid	Avoid contact with: heat
Materials to avoid	Reducing agents, Strong Oxidizing agents
Hazardous decomposition products	Carbon monoxide Carbon dioxide (CO ₂)
Hazardous reactions	Product will not undergo hazardous polymerization
Thermal decomposition	No data

Likely routes of exposure

Effects on Eye:	Severe eye irritation
Effects on Skin:	Causes skin irritation
Inhalation Effects:	May cause nose, throat, and lung irritation. Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system
Ingestion Effects:	No data available
Symptoms:	Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat. Eye disease, Asthma, Skin disorders and Allergies

Acute toxicity

Acute Oral Toxicity	: LD50 : >2,780 mg/kg Species : Rat.
Inhalation	: No data is available on the product itself
Acute Dermal Toxicity	: Surfactant no data available
Skin corrosion/irritation	: Skin irritation
Serious eye damage/eye	: Severe eye irritation
Irritation	: Surfactant No data available
Sensitization	: No data available

Chronic toxicity or effects from long term exposures

Carcinogenicity	: No data available
Reproductive toxicity	: No data is available on the product itself
Germ cell mutagenicity	: No data is available on the product itself
Specific target organ systemic toxicity (single exposure)	: No data available
Specific target organ systemic toxicity (repeated exposure)	: No data available
Aspiration hazard	: No data available

Delayed and immediate effects and chronic effects from short and long term exposure

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. Eye disease, Asthma, Skin disorders and Allergies.

12. Ecological information

Exotoxicity effects

Aquatic toxicity	: No data is available on the product itself
------------------	--

13. Disposal considerations

Waste disposal:

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a license waste contactor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

DOT (US):

Not dangerous goods

IATA:

Not dangerous goods

IMDG:

Not dangerous goods

TDG:

Not dangerous goods

Further information

Not classified as dangerous in the meaning of transport regulations. The transportation information is not intended to convey all specific regulatory data relating to this material. For complete transportation information, contact your customer service representative.

15. Regulatory information

California Proposition 65:



WARNING! This product can expose you to chemicals including 1,4 Dioxane and Ethylene Oxide which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

16. Other information

HMIS

Health Hazards

2

Flammability


0

Physical Hazards

0

Personal Protection

B

 Indicates information that has changed from previously issued version.

Disclaimer

The information provided in the Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as 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