



## SAFETY DATA SHEET

### 1. Product and company identification

Product Name Enzyme Laundry Detergent  
Product Code: C-EL05  
UN/ID No. DOT (U.S.): Not Regulated

#### **Recommended use of the chemical**

Recommended Use Industrial Laundry Detergent, soil and stain removal

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

Date: July 23, 2018

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

### 2. Hazards identification

**Appearance:** Yellow Liquid      **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 routes**

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**

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**

Name	CAS Number	%
Nonlyphenol ethoxylate	127087-87-0	24.95
Enzyme	Proprietary	1.0

**4. First aid measures**

<b>Eye contact:</b>	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.
<b>Skin contact:</b>	Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.
<b>Inhalation:</b>	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.
<b>Ingestion:</b>	Seek medical attention. Never give anything by mouth to an unconscious person. 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.
<b>General advice</b>	Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the hear has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

## 5. Fire-fighting measures

<b>Suitable extinguishing media:</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media:</b>	High volume water jet.
<b>Specific hazards during firefighting.</b>	DO not allow run-off from the fire fighting to enter drains or water courses.
<b>Specific Protective Equipment for Firefighting:</b>	Wear a self-contained breathing apparatus for firefighting if necessary
<b>Hazardous Combustion Products</b>	No hazardous combustion products are known.
<b>Special protective equipment for fire-fighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NOISH (approved or equivalent and full protective gear
<b>Further information</b>	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## 6. Accidental release measures

<b>Personal precautions:</b>	Use personal protective equipment as required. Caution Product may be slippery
<b>Environmental precautions:</b>	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.
<b>Methods for cleaning up</b>	
<b>Small spill:</b>	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.
<b>Large spill:</b>	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

<b>Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Do not swallow. 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. Keep only in original packaging.
<b>Storage</b>	Keep container tightly closed in corrosive resistant container with a resistant inner liner. Store away from incompatible materials. Keep out of reach of children. Store in a cool, dry and well-ventilated place. Store locked up.

## 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.

### Individual-protection measures, such as personal protective equipment

**Eye/Face Protection** Wear goggles to prevent getting into eyes or face, avoid spray or splashing when

<b>Skin and Body Protection</b>	dispensing liquid. For bulk handling wear suitable protective glasses or goggles 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
<b>Respiratory Protection</b>	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.
<b>General Hygiene considerations</b>	Use good personal hygiene practices. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

## 9. Physical and chemical properties

<b>Physical state</b>	Liquid
<b>Flash Point</b>	237.78 <sup>0</sup> C Method. Pensky-Martens closed cup, closed cup
<b>pH</b>	11
<b>Boiling/condensation point</b>	Approx. 121 <sup>0</sup> F
<b>Specific Gravity</b>	1.11
<b>Solubility in water</b>	Complete

## 10. Stability reactivity

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

### Likely routes of exposure

Effects on Eye:	Causes 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

## 11. Toxicological information

### Acute Toxicity

Component	CAS Number	Test	Toxicity
Nonylphenol, Ethoxylated	127087-87-0	Dermal LD50 (Rabbit)	6000mg/kg
Acute Oral Toxicity – Product	Acute Toxicity estimate: 3,347 mg/kg Method: Calculation method.		
Skin Corrosion/irritation:	May cause skin irritation in susceptible persons		
Serious eye damage/eye Irritation:	Vapors may cause irritation to the eyes, respiratory system and the skin.		
Respiratory or skin sensitization:	Nonylphenol, ethoxylated Exposure to routes: Skin Species: Rat Results: Does not cause skin sensitization.		
Assessment:	Harmful if swallowed. Causes serious eye damage. Does not cause skin		
OSHA	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or positional carcinogen by OSHA		
Nonylphenol, ethoxylated:	Harmful if swallowed. Causes serious eye damage.		

Repeated does toxicity assessment

Experience with Human Exposure

Inhalation: No Data Available  
Skin: No Data Available  
Eyes: No Data Available  
Ingestion: No Data Available

Chronic Effect of long-term Exposure: No Data Available

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## 12. Ecological information

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### Acute Toxicity

Component	CAS Number	Organism	Ecotoxicity
Nonylphenol, Ethoxylated	127087-87-0	Lepomis macrochirus Fish	96 hr LC50=7.6 mg/L 96 hr LC50=8.6 mg/L

Acute Aquatic Toxicity Toxic to aquatic life  
Chronic Aquatic Toxicity Toxic to aquatic life with long lasting effects

Ecological Effects  
Persistence and Degradability: Not readily biodegradable  
<60% after 28 days

Bioaccumulation Potential No data available

Mobility in Soil No data available

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## 13. Disposal considerations

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**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 contract 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.

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## 14. Transport information

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DOT (US): Not Regulated

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.

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## 15. Regulatory information

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**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](http://www.P65Warnings.ca.gov).

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## 16. Other information

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**HMIS**

**Health Hazards**

**2**

**Flammability**

**0**

**Physical Hazards**

**0**

**Personal Protection**

**B**

**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