



## 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

Date:                                      April 2, 2019

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

In case of emergency                      Call (888) 443-2436

### 2. Hazards identification

**Appearance:** Yellow Liquid                      **Physical State:** Liquid                      **Odor:** Lemon Fragrance

**Signal Word:** WARNING



#### Classification

|                                   |                     |
|-----------------------------------|---------------------|
| Serious eye damage/eye irritation | Category 2/2B, H319 |
| Skin corrosion/irritation         | Category 3          |

#### Hazard Statement:

Causes serious eye irritation  
 Harmful if swallowed

#### **Potential Health Effects**

##### **Exposure routes**

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

##### **Eye contact**

Can cause serious eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

##### **Skin contact**

May cause 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**

Harmful if swallowed. 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**

Keep away from children. Read label before use.  
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.  
Keep container closed

### **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, contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. Keep out of reach of children.

### **Precautionary Statements – Storage**

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

### **Precautionary Statements –Disposal**

Dispose of contents/container in accordance with all local, regional, national regulations.

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## **3. Composition/information on ingredients**

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There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section

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## **4. First aid measures**

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|-----------------------|--|
| <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**

|                                       |   |
|---------------------------------------|---|
| <b>Eye/Face Protection</b>            | 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   |
| <b>Skin and Body Protection</b>       | 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°C Method. Pensky-Martens closed cup, closed cup |
| <b>pH</b>                         | 10   |
| <b>Boiling/condensation point</b> | Approx. 121° 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 and materials to avoid</b> | Stron oxidizing agents         |
| <b>Hazardous decomposition products:</b> | Carbon oxides.                 |

**11. Toxicological information**

## Likely routes of exposure

|                     |  |
|---------------------|--|
| Effects on Eye:     | Causes serious eye irritation  |
| Effects on Skin:    | Causes mild 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:  | Harmful if swallowed   |
| 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 |

Signs and Symptoms of Exposure: Irritation, Redness, Watering Eyes.

Chronic toxicity or effects from long term exposures: No known significant effects or critical hazards

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater.

Mutagenicity: Not mutagenic

**12. Ecological information****Ecotoxicity effects**

This product may be harmful to the environment and aquatic organisms if released in large quantities. Avoid release into sewers, drains, and waterways. Inform the relevant authorities if the product has caused environmental pollution. Collect spillage.

**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 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.

## 15. Regulatory information

**California Proposition 65:**

This product does not contain any Proposition 65 chemicals

## 16. Other information

**HMIS**

**Health Hazards**

2

**Flammability**

0

**Physical Hazards**

0

**Personal Protection**

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**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