

# SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name:** LemonWorks  
**SDS#:** 843  
**Revision Date:** 06/26/2015  
**Product use:** Liquid hand dishwash  
**Chemical class:** Mixture  
**Manufacturer:** Wayne Concept  
5005 Speedway Drive  
Fort Wayne, IN  
Phone: (260) 482-8615 Fax: (260) 483-5598  
**Emergency:** INFOTRAC (800) 535-5053

## 2. Hazards Identification

**Signal Word** WARNING

**GHS Classification** Serious Eye Damage/Irritation; Category 2B

**Emergency overview** Prolonged contact with skin may cause irritation. May cause irritation of respiratory tract. Causes eye irritation.

**Potential health effects**

|            |   |
|------------|---|
| Eyes       | Causes eye irritation.  |
| Skin       | Prolonged contact with this product may cause irritation to the skin.   |
| Inhalation | Inhalation of vapors or mists of the product may be irritating to the respiratory system.                       |
| Ingestion  | Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea and diarrhea. |



## 3. Composition /Information on Ingredients

| Components  | CAS#       | Percent |
|---|------------|---------|
| Sodium lauryl sulfate   | 151-21-3   | 2 - 6   |
| Cocoamide DEA (Alternative CAS 68155-07-7)                    | 68603-42-9 | 1 - 5   |
| Diethanolamine  | 111-42-2   | < 0.3   |
| Benzenesulfonic acid, mono-C10-16- alkyl derivs., sodium salt | 68081-81-2 | 1 - 5   |

## 4. First Aid Measures

**First aid procedures**

|                     |  |
|---------------------|--|
| <b>Eye contact</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.   |
| <b>Skin contact</b> | For skin contact, only prolonged exposure may cause irritation. If irritation persists get medical attention. Immediately take off all contaminated clothing. Wash clothing separately before reuse.   |
| <b>Inhalation</b>   | If symptoms are experienced, remove source of contamination or move victim to fresh air. If the affected person is not breathing, apply artificial respiration. If symptoms persist, get medical attention. If breathing is difficult, give oxygen. Get medical attention immediately. |
| <b>Ingestion</b>    | If ingestion of a large amount does occur, seek medical attention. Do NOT induce vomiting.   |

## 5. Fire Fighting Measures

**Extinguishing media**

|                              |   |
|------------------------------|---|
| Suitable extinguishing media | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). |
|------------------------------|---|

**Protection of firefighters**

|  |  |
|--|--|
| <b>Protective equipment and precautions for firefighters</b> | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHAINIOSH (approved or equivalent) and full protective gear. |
|--|--|

## 6. Accidental Release Measures

|                             |  |
|-----------------------------|--|
| <b>Personal precautions</b> | Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.                        |
| Environmental precautions   | Prevent further leakage or spillage if safe to do so.  |
| Methods for containment     | Prevent entry into waterways, sewers, basements or confined areas.   |
| Methods for cleaning up     | Wear appropriate protective equipment and clothing during clean-up.  |
|                             | Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. |
|                             | Large Spills: Dike far ahead of liquid spill for later disposal.   |

## 7. Handling and Storage

|          |  |
|----------|--|
| Handling | Avoid contact with eyes. Wash hands thoroughly after handling. |
| Storage  | Store in cool place. Keep in a well-ventilated place.          |

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

| ACGIH<br>Components       | Type | Value   | Form                          |
|---------------------------|------|---------|-------------------------------|
| Diethanolamine (111-42-2) | TWA  | 1 mg/m3 | Inhalable fraction and vapor. |
| U.S. -OSHA<br>Components  | Type | Value   | Form                          |

**Engineering controls** Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

### Personal protective equipment

|                                |  |
|--------------------------------|--|
| <b>General</b>                 | Eye wash fountain and are recommended.   |
| Eye / face protection          | Wear chemical goggles.   |
| <b>Skin protection</b>         | Wear suitable protective clothing.   |
| Respiratory protection         | If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided. |
| General hygiene considerations | Eye wash fountain are recommended.   |

## 9. Physical & Chemical Properties

|   |                             |
|---|-----------------------------|
| Color   | Thick yellow liquid.        |
| Physical state                                | Liquid.                     |
| <b>Odor</b>                                   | Lemon fragrance.            |
| pH  | 7.5 ± 0.5                   |
| <b>Freezing point</b>                         | 32 OF (0 °C)                |
| Boiling point                                 | 212 °F                      |
| Flash point                                   | None to boiling             |
| Evaporation rate                              | Slower than water           |
| Flammability limits in air, upper, %by volume | NOT DETERMINED.             |
| Vapor pressure                                | Not Determined or Unknown   |
| Vapor density                                 | Estimated heavier than air. |
| Specific gravity                              | 1.024 ± 0.005               |
| Density                                       | 8.52 ± 0.05                 |
| Viscosity                                     | Not determined              |

## 10. Stability & Reactivity

|   |  |
|---|--|
| Chemical stability                      | Stable at normal conditions.   |
| Conditions to avoid                     | Heat, flames and sparks.   |
| Incompatible materials                  | Strong oxidizing agents Nitrous acid and other nitrosating agents  |
| <b>Hazardous decomposition products</b> | Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur. Nitrogen oxides (NOx). Ammonia |
| Possibility of hazardous reactions      | Will not occur.  |

## 11. Toxicological Information

### Sensitization

US ACGIH Threshold Limit Values: Skin designation

Diethanolamine (CAS 111-42-2)

Can be absorbed through the skin.

### Carcinogenicity

ACGIH Carcinogens

Diethanolamine (CAS 111-42-2)

A3 Confirmed animal carcinogen with unknown relevance to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Cocoamide DEA (Alternative CAS 68155-07-7) (CAS 68603-42-9)

28 Possibly carcinogenic to humans.

Diethanolamine (CAS 111-42-2)

28 Possibly carcinogenic to humans.

IARC Monographs: Evidence of carcinogenicity in humans

Diethanolamine (CAS 111-42-2)

Inadequate data.

### Acute Toxicity

Benzenesulfonic acid, mono-C10-16 -alkyl derivs., sodium salt:

Oral Toxicity: LD50 (rat): 1260 mg/kg

## 12. Ecological Information

### Ecotoxicological data

#### Components

#### Test Results

Diethanolamine (111-42-2)

EC50 Waterflea (Ceriodaphnia dubia): 61.8- 86.04 mg/l 48 hours

LC50 Fathead minnow (Pimephales promelas): > 100 mg/l 96 hours

Sodium Lauryl Sulfate (151-21-3)

EC50 Water flea (Daphnia obtusa): 9.2 - 10.4 mg/l 48 hours

LC50 Carp, hawk fish (Cirrhinus mrigala): 0.59 mg/l 96 hours

Ecotoxicity

Readily biodegradable.

## 13. Disposal Considerations

### Disposal Instructions

Dispose in accordance with all applicable regulations. All wastes must be handled in accordance with local, state and federal regulations. Regulations vary.

## 14. Transport Information

### Notes

Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

## 15. Regulatory Information

### US federal regulations

US CERCLA Hazardous Substances: Reportable quantity

Diethanolamine (CAS 111-42-2)

100 LBS

US EPCRA (SARA Title III) Section 313- Toxic Chemical: De minimis concentration

Diethanolamine (CAS 111-42-2)

1.0%

US EPCRA (SARA Title III) Section 313- Toxic Chemical: Listed substance

Diethanolamine (CAS 111-42-2)

Listed.

### Reportable Quantity

Reportable Quantity (RQ) of this product is 50,000 pounds based upon Diethanolamine (111-42-2) which yielded the lowest resultant RQ according to the following formula: CERCLA ingredient RQ / % of that ingredient in the product.

### CERCLA (Superfund) reportable quantity

Diethanolamine 100

Material name: Lemon Works

Superfund Amendments and Reauthorization Act of 1986(SARA)

Section 302 extremely hazardous substance No  
 Section 311 hazardous chemical Yes

Inventory status

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.:

- US- California Proposition 65- Carcinogens & Reproductive Toxicity (CRT): Listed substance  
 Cocoamide DEA (Alternative CAS 68155-07-7) (CAS 68603-42-9) Listed.  
 Diethanolamine (CAS 111-42-2) Listed.
- US- California Proposition 65- CRT: Listed date/Carcinogenic substance  
 Cocoamide DEA (Alternative CAS 68155-07-7) (CAS 68603-42-9) Listed: June 22, 2012 Carcinogenic.  
 Diethanolamine (CAS 111-42-2) Listed: June 22, 2012 Carcinogenic.
- US - New Jersey Community RTK (EHS Survey): Reportable threshold  
 Diethanolamine (CAS 111-42-2) 500 LBS
- US- New Jersey RTK- Substances: Listed substance  
 Diethanolamine (CAS 111-42-2) Substance no. 0686
- US - Pennsylvania RTK - Hazardous Substances: Listed substance  
 Diethanolamine (CAS 111-42-2) Listed.

16. Other Information

Further information HMIS® is a registered trade and service mark of the NPCA.  
 HMIS® ratings Health: 0  
 Flammability: 0  
 Physical hazard: 0  
 Personal protection: A  
 NFPA ratings Health: 0  
 Flammability: 0  
 Instability: 0

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02/05/14

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