

## 1. Identification

**Product identifier** CLEAN RELEASE

### Other means of identification

**SDS number** 578N-008A

**Product code** HIL00905

**Recommended use** Carpet Cleaner

**Recommended restrictions** For Labeled Use Only

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

**Company name** HILLYARD INDUSTRIES

**Address** 302 North Fourth St.  
St. Joseph, MO 64501

**Contact person** Regulatory Affairs

**Telephone number** (800) 365-1555 (Ext. 8206)

**Fax** (816) 383-8406

**E-mail** regulatoryaffairs@hillyard.com

**Emergency telephone #** (800) 424-9300  
(Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals)

## 2. Hazard(s) identification

### Hazards of the product as supplied

**Physical hazards** Not classified.

**Health hazards** Acute toxicity, oral Category 5  
Serious eye damage/eye irritation Category 2A

**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 3  
Hazardous to the aquatic environment, long-term hazard Category 4

**OSHA defined hazards** Not classified.

#### Other hazards

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.

#### Label elements



**Signal word** Warning

**Hazard statement** May be harmful if swallowed. Causes serious eye irritation. Harmful to aquatic life. May cause long lasting harmful effects to aquatic life.

#### Precautionary statement

**Prevention** Wash thoroughly after handling. Avoid release to the environment. Wear eye/face protection.

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Response</b> | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. If eye irritation persists: Get medical advice/attention.                                                                                                                                                                        |
| <b>Storage</b>  | Store away from incompatible materials.                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Disposal</b> | Buyer assumes all risk and liability associated with disposal of this product (original concentration or dilution) in violation of applicable law. Waste from normal use may be sewered to a public-owned treatment works in compliance with applicable federal, state and local requirements. CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer clean, dry container for recycling or reconditioning. |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name                            | Common name and synonyms | CAS No./Unique ID | %        |
|------------------------------------------|--------------------------|-------------------|----------|
| C9-11 Alcohols Ethoxylated               |                          | 68439-46-3        | 3 - < 5  |
| Sodium Lauryl Sulfate                    |                          | 68585-47-7        | 1 - < 3  |
| Sodium xylene sulfonate                  |                          | 1300-72-7         | 1 - < 3  |
| Lauryl alcohol                           |                          | 112-53-8          | < 0.2    |
| Other components below reportable levels |                          |                   | 90 - 100 |

### 4. First-aid measures

|                                                                               |                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | Move to fresh air. Call a physician if symptoms develop or persist.                                                                                                                                                                       |
| <b>Skin contact</b>                                                           | Wash off with soap and water. Get medical attention if irritation develops and persists.                                                                                                                                                  |
| <b>Eye contact</b>                                                            | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.                                       |
| <b>Ingestion</b>                                                              | Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell. |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.                                                                                                                                     |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.                                                                                                                    |
| <b>General information</b>                                                    | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.                                                                 |

### 5. Fire-fighting measures

|                                                                      |                                                                                               |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).                                   |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                        |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.                                         |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.                                 |
| <b>Specific methods</b>                                              | Use standard firefighting procedures and consider the hazards of other involved materials.    |
| <b>General fire hazards</b>                                          | No unusual fire or explosion hazards noted.                                                   |

### 6. Accidental release measures

|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Methods and materials for containment and cleaning up**

This product is miscible in water. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**Environmental precautions**

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**7. Handling and storage****Precautions for safe handling**

Do not taste or swallow. Avoid contact with eyes. Avoid prolonged exposure. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

**8. Exposure controls/personal protection****Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

**Skin protection****Hand protection**

For prolonged or repeated skin contact use suitable protective gloves.

**Other**

Wear suitable protective clothing.

**Respiratory protection**

No personal respiratory protective equipment normally required. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**Thermal hazards**

None known.

**General hygiene considerations**

Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties****Physical state**

Liquid.

**Form**

Liquid.

**Color**

Yellow

**Odor**

Evergreen odor

**Odor threshold**

Not available

**Melting point/freezing point**

Not applicable / Not available

**Boiling point or initial boiling point and boiling range**

210 °F (98.89 °C)

**Flammability**

Not applicable.

**Upper/lower flammability or explosive limits**

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Flash point** >200.0 °F (>93.3 °C) Tag Closed Cup

**Auto-ignition temperature** Not available

**Decomposition temperature** Not available

**pH** > 7 - < 8 Concentrate

**Kinematic viscosity** Not available.

**Solubility**

**Solubility (water)** 100 %

**Partition coefficient  
(n-octanol/water)** Not available

**Vapor pressure** 17.56 mm Hg

**Density and/or relative density**

**Density** 8.72 lb/gal

**Relative density** 1.047 at 77°F

**Vapor density** 0.6239 Air =1

**Particle characteristics** Not available.

**Other information**

**Evaporation rate** <1 (ethyl ether = 1)

**Explosive properties** Not explosive.

**Oxidizing properties** Not oxidizing.

**Percent volatile** > 83.5 - < 85.5 %

**Viscosity** Semi-viscous

**VOC** 0 %

**10. Stability and reactivity**

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**Incompatible materials** Strong oxidizing agents.

**Hazardous decomposition products** No hazardous decomposition products are known.

**11. Toxicological information****Information on likely routes of exposure**

**Inhalation** Prolonged inhalation may be harmful.

**Skin contact** No adverse effects due to skin contact are expected.

**Eye contact** Causes serious eye irritation.

**Ingestion** May be harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Information on toxicological effects**

**Acute toxicity** May be harmful if swallowed.

| Product                                                        | Species                                                                                                          | Test Results               |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|
| CLEAN RELEASE                                                  |                                                                                                                  |                            |
| <u>Acute</u>                                                   |                                                                                                                  |                            |
| Dermal                                                         |                                                                                                                  |                            |
| LD50                                                           | Rabbit                                                                                                           | 393333344 mg/kg            |
| Inhalation                                                     |                                                                                                                  |                            |
| LC50                                                           | Mouse                                                                                                            | 18000 mg/l, 4 Hours        |
|                                                                |                                                                                                                  | 17391.3047 mg/l, 2 Hours   |
|                                                                | Rat                                                                                                              | 5823.2275 mg/l, 0.5 Hours  |
|                                                                |                                                                                                                  | 5823.2275 mg/l, 1 Hours    |
|                                                                |                                                                                                                  | 5823.2275 mg/l, 30 Minutes |
|                                                                |                                                                                                                  | 5823.2275 mg/l, 4 Hours    |
| Oral                                                           |                                                                                                                  |                            |
| LD50                                                           | Mouse                                                                                                            | 13464.6709 mg/kg           |
| Components                                                     | Species                                                                                                          | Test Results               |
| Lauryl alcohol (CAS 112-53-8)                                  |                                                                                                                  |                            |
| <u>Acute</u>                                                   |                                                                                                                  |                            |
| Dermal                                                         |                                                                                                                  |                            |
| LD50                                                           | Guinea pig                                                                                                       | > 8310 mg/kg               |
| Oral                                                           |                                                                                                                  |                            |
| LD50                                                           | Rat                                                                                                              | 12800 mg/kg                |
| Skin corrosion/irritation                                      | Prolonged skin contact may cause temporary irritation.                                                           |                            |
| Serious eye damage/eye irritation                              | Causes serious eye irritation.                                                                                   |                            |
| Respiratory or skin sensitization                              |                                                                                                                  |                            |
| Respiratory sensitization                                      | Not a respiratory sensitizer.                                                                                    |                            |
| Skin sensitization                                             | This product is not expected to cause skin sensitization.                                                        |                            |
| Germ cell mutagenicity                                         | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |                            |
| Carcinogenicity                                                | Not classifiable as to carcinogenicity to humans.                                                                |                            |
| IARC Monographs. Overall Evaluation of Carcinogenicity         |                                                                                                                  |                            |
| Not listed.                                                    |                                                                                                                  |                            |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) |                                                                                                                  |                            |
| Not listed.                                                    |                                                                                                                  |                            |
| US. National Toxicology Program (NTP) Report on Carcinogens    |                                                                                                                  |                            |
| Not listed.                                                    |                                                                                                                  |                            |
| Reproductive toxicity                                          | This product is not expected to cause reproductive or developmental effects.                                     |                            |
| Specific target organ toxicity - single exposure               | Not classified.                                                                                                  |                            |
| Specific target organ toxicity - repeated exposure             | Not classified.                                                                                                  |                            |
| Aspiration hazard                                              | Prolonged inhalation may be harmful.                                                                             |                            |
| Chronic effects                                                | Prolonged inhalation may be harmful.                                                                             |                            |
| 12. Ecological information                                     |                                                                                                                  |                            |
| Ecotoxicity                                                    | Harmful to aquatic life. May cause long lasting harmful effects to aquatic life.                                 |                            |

| Product       | Species |         | Test Results                      |
|---------------|---------|---------|-----------------------------------|
| CLEAN RELEASE |         |         |                                   |
| Aquatic       |         |         |                                   |
| Crustacea     | EC50    | Daphnia | 30.3691 mg/l, 48 hours estimated  |
| Fish          | LC50    | Fish    | 132.1343 mg/l, 96 hours estimated |

| Components                                  |      | Species                              | Test Results             |
|---------------------------------------------|------|--------------------------------------|--------------------------|
| C9-11 Alcohols Ethoxylated (CAS 68439-46-3) |      |                                      |                          |
| Aquatic                                     |      |                                      |                          |
| Acute                                       |      |                                      |                          |
| Crustacea                                   | EC50 | Water flea (Daphnia magna)           | 2.9 - 8.5 mg/l, 48 hours |
| Fish                                        | LC50 | Fathead minnow (Pimephales promelas) | 6 - 12 mg/l, 96 hours    |

|                               |      |                                      |                     |
|-------------------------------|------|--------------------------------------|---------------------|
| Lauryl alcohol (CAS 112-53-8) |      |                                      |                     |
| <b>Aquatic</b>                |      |                                      |                     |
| <i>Acute</i>                  |      |                                      |                     |
| Fish                          | LC50 | Fathead minnow (Pimephales promelas) | 1.01 mg/l, 96 hours |

|                                        |      |                                 |                            |
|----------------------------------------|------|---------------------------------|----------------------------|
| Sodium Lauryl Sulfate (CAS 68585-47-7) |      |                                 |                            |
| <b>Aquatic</b>                         |      |                                 |                            |
| <i>Acute</i>                           |      |                                 |                            |
| Crustacea                              | EC50 | Water flea (Ceriodaphnia dubia) | 1.18 - 2.21 mg/l, 48 hours |

**Persistence and degradability** No data is available on the degradability of this product.

#### Bioaccumulative potential

|                                                          |      |
|----------------------------------------------------------|------|
| <b>Partition coefficient n-octanol / water (log Kow)</b> |      |
| Lauryl alcohol                                           | 5.13 |

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. Buyer assumes all risk and liability associated with disposal of this product (original concentration or dilution) in violation of applicable law.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Triple rinse (or equivalent). Then offer clean, dry container for recycling or reconditioning.

### 14. Transport information

**DOT**  
Not regulated as dangerous goods.

**Transport in bulk according to IMO instruments** Not established.

## 15. Regulatory information

### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### Toxic Substances Control Act (TSCA)

One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

#### SARA 311/312 Hazardous chemical

Yes

#### Classified hazard categories

Acute toxicity (any route of exposure)  
Serious eye damage or eye irritation

#### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

#### Safe Drinking Water Act (SDWA)

Contains component(s) regulated under the Safe Drinking Water Act.

### US state regulations

#### California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### International Inventories

| Country(s) or region        | Inventory name                                | On inventory (yes/no)* |
|-----------------------------|-----------------------------------------------|------------------------|
| Canada                      | Domestic Substances List (DSL)                | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)           | No                     |
| 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)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

|               |                                                    |
|---------------|----------------------------------------------------|
| Issue date    | 12-06-2014                                         |
| Revision date | 10-13-2026                                         |
| Version #     | 04                                                 |
| HMIS® ratings | Health: 2<br>Flammability: 0<br>Physical hazard: 0 |

**Disclaimer**

No representations or warranties, either express or implied, of merchantability, fitness for a particular purpose, or of any nature are made with respect to the product(s) or information contained in this material safety data sheet. The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. All information contained herein is presented in good faith and is believed to be appropriate and accurate. The buyer or user assumes all risks associated with the use, misuse or disposal of this product. The buyer or user is responsible to comply with all federal, state or local regulations concerning the use, misuse or disposal of these products.

**Revision information**

Physical & Chemical Properties: Multiple Properties