1. Identification

Product identifier: TOP CLEAN

Other means of identification:
- SDS number: 584N-053A
- Product code: HIL00144
- Recommended use: Neutral 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: (816) 233-1321 (Ext. 8285)
- Fax: (816) 383-8485
- 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

Physical hazards: Not classified.
Health hazards: Not classified.
Environmental hazards: Not classified.
OSHA defined hazards: Not classified.

Label elements
- Hazard symbol: None.
- Signal word: None.
- Hazard statement: The mixture does not meet the criteria for classification.

Precautionary statement

Prevention: Wash thoroughly after handling. Avoid contact with eyes. Do not take internally. If prolonged or repeated contact with concentrate is possible, wear safety goggles. Use only as directed. Improper dilution can lead to adverse health effects.

Response: If in eyes, flush with water for 15 minutes. Get medical attention if irritation develops and persists.

Storage: Store away from incompatible materials.

Disposal: 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 sewer 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.

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

Supplemental information: None.

3. Composition/information on ingredients

Mixtures
**Chemical name** | **Common name and synonyms** | **CAS number** | **%**
---|---|---|---
Alcohols, C9-11, ethoxylated | 68439-46-3 | 3 - < 5
Sodium xylene sulfonate | 1300-72-7 | < 1
FD&C YELLOW #5 | 1934-21-0 | < 0.1
Fragrance | Mixture | < 0.05

Other components below reportable levels | 90 - 100

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

**Inhalation**
Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact**
Wash off with soap and water. Get medical attention if irritation develops and persists.

**Eye contact**
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Continue rinsing.

**Ingestion**
Rinse mouth. Get medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed**
Direct contact with eyes may cause temporary irritation.

**Indication of immediate medical attention and special treatment needed**
Treat symptomatically.

**General information**
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 5. Fire-fighting measures

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

**Unsuitable extinguishing media**
Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical**
During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters**
Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk.

**Specific methods**
Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards**
No unusual fire or explosion hazards noted.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Keep unnecessary personnel away.

**Methods and materials for containment and cleaning up**
This product is miscible in water. 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.

**Environmental precautions**
Avoid discharge into drains, water courses or onto the ground.

### 7. Handling and storage

**Precautions for safe handling**
Avoid prolonged exposure. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**
Store in original tightly closed container.

### 8. Exposure controls/personal protection

**Biological limit values**
No biological exposure limits noted for the ingredient(s).
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.

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
Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Other
No special protective equipment required.

Respiratory protection
No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations
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

Appearance
Clear, yellow, liquid

Physical state
Liquid.

Form
Liquid.

Color
Yellow

Odor
Floral odor

Odor threshold
Not available

pH
6.5 - 7.5 Concentrate
7.5 - 8.5 1:32 dilution

Melting point/freezing point
Not applicable / Not available

Initial boiling point and boiling range
212 °F (100 °C) corr.

Flash point
> 200.0 Tag Closed Cup

Evaporation rate
< 1 Ethyl ether=1

Flammability (solid, gas)
Not applicable.

Upper/lower flammability or explosive limits

Explosive limit - lower (%)
Not available.

Explosive limit - upper (%)
Not available.

Vapor pressure
17.54 mm Hg

Vapor density
0.62 Air=1

Relative density
1.004 at 77°F

Solubility(ies)

Solubility (water)
Complete

Partition coefficient (n-octanol/water)
Not available

Auto-ignition temperature
Not available.

Decomposition temperature
Not available

Viscosity
Not available

Other information

Density
8.36 lb/gal

Explosive properties
Not explosive.

Oxidizing properties
Not oxidizing.

Percent volatile
95 - 97 %

VOC
0 %

10. Stability and reactivity

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

**Chemical stability**

**Possibility of hazardous reactions**

No dangerous reaction known under conditions of normal use.

**Conditions to avoid**

Contact with incompatible materials.

**Incompatible materials**

Strong oxidizing agents.

**Hazardous decomposition products**

No hazardous decomposition products are known.

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**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**
  Direct contact with eyes may cause temporary irritation.

- **Ingestion**
  Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics**

Direct contact with eyes may cause temporary irritation.

**Information on toxicological effects**

- **Acute toxicity**
  Not available.

- **Skin corrosion/irritation**
  Prolonged skin contact may cause temporary irritation.

- **Serious eye damage/eye irritation**
  Expected to be a low ingestion hazard.

- **Respiratory or skin 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**
  This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

  - **IARC Monographs. Overall Evaluation of Carcinogenicity**
    Not listed.

    Not regulated.

  - **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.

- **Further information**
  This product has no known adverse effect on human health.

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**12. Ecological information**

**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOP CLEAN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Crustacea</td>
<td>EC50 Daphnia 149.9476 mg/l, 48 hours estimated</td>
</tr>
<tr>
<td></td>
<td>Fish</td>
<td>LC50 Fish 196.7838 mg/l, 96 hours estimated</td>
</tr>
</tbody>
</table>

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Material name: TOP CLEAN

HIL00144 Version #: 03 Revision date: 03-28-2018 Issue date: 12-18-2014 SDS US 4 / 6
Components | Species | Test Results
--- | --- | ---
Alcohols, C9-11, ethoxylated (CAS 68439-46-3) |  
**Aquatic**  
Crustacea | EC50 | Water flea (Daphnia magna)  
Fish | LC50 | Fathead minnow (Pimephales promelas)
FD&C YELLOW #5 (CAS 1934-21-0) |  
**Aquatic**  
Crustacea | EC50 | Water flea (Ceriodaphnia dubia)
* Estimates for product may be based on additional component data not shown.

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

**Bioaccumulative potential**  
No data available.

**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. 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). Waste from normal product use may be sewered to a public owned treatment works (POTW) in compliance with applicable Federal, State, and local pretreatment requirements.

**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.

**IATA**  
Not regulated as dangerous goods.

**IMDG**  
Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
Not established.

**15. Regulatory information**

**US federal regulations**  
This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

- **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.

  Not regulated.

- **Superfund Amendments and Reauthorization Act of 1986 (SARA)**  
  SARA 302 Extremely hazardous substance  
  Not listed.
SARA 311/312 Hazardous chemical
Classified hazard categories
- 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)
  Not regulated.

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)
Not regulated.

US state regulations
- 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.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

* 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
12-18-2014

Revision date
03-28-2018

Version #
03

HMIS® ratings
- Health: 1
- Flammability: 0
- Physical hazard: 0

Disclaimer
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Revision information
This document has undergone significant changes and should be reviewed in its entirety.