1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer
Grant Industries Inc.
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Elmwood Park, New Jersey 07407

Vendor
Grant Industries Inc.
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2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):
Environmental, Hazards to the aquatic environment - Acute, 3
Health, Serious Eye Damage/Eye Irritation, 2 A

GHS Label elements, including precautionary statements

GHS Signal Word: WARNING

GHS Hazard Pictograms:

GHS Hazard Statements:
H402 - Harmful to aquatic life
H319 - Causes serious eye irritation

GHS Precautionary Statements:
P264 - Wash thoroughly after handling.
P273 - Avoid release to the environment.

Hazards not otherwise classified (HNOC) or not covered by GHS

Route of Entry: Inhalation, Skin, Oral
Target Organs: None known.
Inhalation: Prolonged inhalation may cause respiratory irritation.
Skin Contact: Prolonged contact may cause skin irritation.
Eye Contact: Wear eye protection while handling. Eye contact may cause mild irritation.
3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

<table>
<thead>
<tr>
<th>Cas#</th>
<th>%</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>78330-20-8</td>
<td>38-42%</td>
<td>Alcohols, C9-11-iso-, C10-rich, ethoxylated</td>
</tr>
</tbody>
</table>

Ingredients not properly identified are either proprietary or non-hazardous.

4 FIRST AID MEASURES

Inhalation: Remove victim to fresh air. Seek medical attention if respiratory irritation or distress occurs.

Skin Contact: Wash affected area with soap and water. If redness, itching or burning develops, get medical attention.

Eye Contact: Rinse immediately with plenty of water. If irritation persists, call physician.

Ingestion: Give one or two glasses of water to drink. If gastrointestinal symptoms develop, call a physician immediately. Do not induce vomiting without medical advice.

5 FIRE FIGHTING MEASURES

Flammability: No data
Flash Point: > 200 °F
Flash Point Method: Pensky-Martens Closed Cup
Burning Rate: No data
Autoignition Temp: No determined
LEL: No determined
UEL: No determined

Use extinguishing media appropriate for surrounding fire.

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

Wear protective clothing, boots, gloves, and eye protection.

6 ACCIDENTAL RELEASE MEASURES

Dike and soak up with inert absorbent material (e.g. sand, silica gel, sawdust). Remove and dispose of in accordance with federal, state, and local laws.
7 HANDLING AND STORAGE

Handling Precautions: No special requirements.
Storage Requirements: Keep from freezing. Store containers in cool dry place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control that meets the following traditional exposure control techniques may be used to effectively minimize employee exposures: general area dilution/exhaust ventilation.

Personal Protective Equipment: HMIS PP, C | Safety Glasses, Gloves, Apron
HMIS PP, C | Goggles, Gloves, Apron
Eye contact should be prevented through use of chemical safety glasses with side shields or splash proof goggles. An emergency eye wash should be readily accessible to the work area.
Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial regulations.

No TLV assigned. Minimize exposure in accordance with good hygiene practice.

9 PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Amber</td>
</tr>
<tr>
<td>Physical State</td>
<td>liquid</td>
</tr>
<tr>
<td>Spec Grav./Density</td>
<td>1.00</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>5-9 @ 5%</td>
</tr>
<tr>
<td>Evap. Rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Odor</td>
<td>Fatty alcohol</td>
</tr>
<tr>
<td>Solubility</td>
<td>Slight</td>
</tr>
<tr>
<td>Percent Volatile</td>
<td>68-72</td>
</tr>
<tr>
<td>Freezing/Melting Pt.</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
</tr>
<tr>
<td>VOC</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.
Conditions to Avoid: See HAZARD WARNING under HANDLING: Section 7.
Materials to Avoid: Strong oxidizers.
Hazardous Decomposition: None expected if used for intended purpose and according to specifications.
Hazardous Polymerization: Will not occur.
11 TOXICOLOGICAL INFORMATION

GENERAL:
Based on industry-wide experience over many years of manufacturing and published
toxicological studies, this product in general is considered to be practically non-toxic.
This low order of toxicity is probably due to the fact that the ingredients in section 2 of
this SDS are somewhat inert.

ACUTE (SHORT-TERM) TOXICITY:* 
This product has a reported acute oral LD50 value of >2,000 mg/kg in rats.

*Based on reports obtained from analogous products

CHRONIC (LONG TERM) TOXICITY:
No carcinogenicity and no breakdown reported.

MUTAGENICITY:
No known published data available.

12 ECOLOGICAL INFORMATION

TOXICITY
This product has not been evaluated for its Eco toxicity. However, the biodegradation of
this product under aerobic conditions is expected to be poor and there is no evidence to
suggest they create any significant ecological problems when released into the environment.
They are believed to have minimal bioaccumulation and bioavailability characteristics.

Other Information: LC50 (96 h) 10-100 mg/l, Fish

Bacteria: EC50 (activated sludge):1-20 mg/l
Exposure time:3h
Test Type: Respiration inhibition

ELIMINATION INFORMATION

BIODEGRADATION:
Not readily biodegradable.

CHEMICAL OXYGEN DEMAND (COD) 
N.D.

BIOLOGICAL OXYGEN DEMAND (BOD5) 
N.D.
13 DISPOSAL CONSIDERATIONS

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that the state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

14 TRANSPORT INFORMATION

Compounds, Defoaming NOI
NMFC: 50140 Sub 2
The information provided is for domestic highway transportation only. This product may be regulated differently when shipped in other types of containers or by modes other than that addressed by this section of the MSDS.

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES
----------------------------------------------------------------
Alcohols, C9-11-iso-, C10-rich, ethoxylated (78330-20-8) [38-42%] TSCA

Regulatory CODE Descriptions
----------------------------------------------------------------
TSCA = Toxic Substances Control Act

TSCA INVENTORY STATUS:
This product complies with the requirements of TSCA pursuant to the polymer exemption allowed at 40 CFR 723.250.
TSCA 12 (b) COMPONENTS:
None
SARA 311/312 HAZARD CATEGORIES:
None
SARA 313/ TOXIC CHEMICALS:
None
SARA 302 EXTREMELY HAZARDOUS SUBSTANCES:
Ethylene Oxide (75-21-8) <.0004%
CERCLA HAZARDOUS SUBSTANCES:
Ethylene Oxide (75-21-8) <.0004%
1,4-Dioxane (123-91-1) <.0090%
Acetaldehyde (75-07-0) <.0900%

CALIFORNIA PROPOSITION 65 COMPONENTS:
WARNING! This product contains a chemical (or chemicals) known to the State of California to cause cancer, birth defects and/or other reproductive harm.
Ethylene Oxide (75-21-8) <.0004%
1,4-Dioxane (123-91-1) <.0090%
Acetaldehyde (75-07-0) <.0900%

16 OTHER INFORMATION

Grant Industries, Inc. has shipped this product at your request with the understanding that we have no control over the storage, handling, and conditions of use, which are of critical importance.
Grant Industries, Inc. does not assume any liability for any injury to persons or property arising out of the use, handling or storage of this material.