SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product Identifier
Product Form: Substance
Product Name: Hydrogenated Tallow Glyceride
CAS No: 8030-12-4
Synonyms: HTG

1.2. Intended Use of the Product
Use of the substance/mixture: Lubricants; Esters

1.3. Name, Address, and Telephone of the Responsible Party
Company
Acme-Hardesty Co
450 Sentry Parkway
Blue Bell, PA 19422
T 866-226-3834  T 215-591-3610
www.acme-hardesty.com

1.4. Emergency Telephone Number
Emergency Number : 800-424-9300
For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture
Classification (GHS-US)
Not classified

2.2. Label Elements
GHS-US Labeling
No labeling applicable

2.3. Other Hazards
No additional information available

2.4. Unknown Acute Toxicity (GHS-US)
No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance
Name : Hydrogenated Tallow Glyceride
CAS No: 8030-12-4

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tallow, hydrogenated</td>
<td>(CAS No) 8030-12-4</td>
<td>100</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

3.2. Mixture
Not applicable
Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures
First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).
First-aid Measures After Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
First-aid Measures After Skin Contact: Wash with plenty of soap and water. Seek medical attention if ill effect or irritation develops.
First-aid Measures After Eye Contact: Obtain medical attention if irritation develops or persists. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

First-aid Measures After Ingestion: This product is intended for food use. Ingestion is not expected to be harmful. Seek medical attention if a large amount is swallowed.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms/Injuries: None expected under normal conditions of use. The hot liquid may cause severe skin burns.

Symptoms/Injuries After Inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Symptoms/Injuries After Skin Contact: Not irritating to skin.

Symptoms/Injuries After Eye Contact: The product is not considered to be irritating to the eyes.

Chronic Symptoms: None known.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide, dry chemical. Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Water or ordinary type foam may cause frothing.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: No reactivity hazard.

5.3. Advice for Firefighters

Precautionary Measures Fire: Do not breathe fumes from fires or vapors from decomposition.

Firefighting Instructions: Exercise caution when fighting any chemical fire.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all unnecessary exposure. Avoid breathing (dust, vapor, mist, gas).

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).


6.1.2. For Emergency Responders

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Ventilate area. Eliminate ignition sources. Stop leak if safe to do so.

6.2. Environmental Precautions

Avoid release to the environment.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain and collect as any solid.

Methods for Cleaning Up: Absorb and/or contain spill with inert material, then place in suitable container.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

7.3. Specific End Use(s): No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).
8.2. Exposure Controls
Appropriate Engineering Controls: Ensure all national/local regulations are observed. Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment: Protective clothing, Safety glasses, Gloves.

Materials for Protective Clothing: Wear thermally protective clothing when handling product in significant amounts.
Hand Protection: If material is hot, wear thermally resistant protective gloves.
Eye Protection: Chemical goggles or safety glasses.
Respiratory Protection: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties
Physical State: Solid
Appearance: Yellowish oily liquid or whitish solid @ room temperature
Odor: Fatty
Odor Threshold: No data available
pH: No data available
Relative Evaporation Rate (butylacetate=1): No data available
Melting Point: 60 °C (140 °F)
Freezing Point: No data available
Boiling Point: Not determined, decomposes
Flash Point: > 200 °C Open cup (392 °F)
Auto-ignition Temperature: No data available
Decomposition Temperature: No data available
Flammability (solid, gas): No data available
Vapor Pressure: No data available
Relative Vapor Density at 20 °C: No data available
Relative Density: No data available
Specific Gravity: 0.863 @ 20°C; .0905 to 0.915 @ 25°C
Solubility: Insoluble.
Partition Coefficient: N-Octanol/Water: Not available
Viscosity: Not available
Explosive Properties: No data available
Oxidizing Properties: No data available
Explosive Limits: No data available

9.2. Other Information
VOC content: Trace

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: No reactivity hazard.
10.2 Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
10.3 Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
10.4 Conditions to Avoid: Extremely high or low temperatures.
10.5 Incompatible Materials: None known.
10.6 Hazardous Decomposition Products: Smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects
Acute Toxicity: Not classified
Hydrogenated Tallow Glyceride

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Hydrogenated Tallow Glyceride (8030-12-4)</th>
</tr>
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<tbody>
<tr>
<td><strong>Tallow, hydrogenated (8030-12-4)</strong></td>
</tr>
<tr>
<td><strong>LD50 Oral Rat</strong></td>
</tr>
<tr>
<td>&gt; 10000 mg/kg</td>
</tr>
</tbody>
</table>

**Skin Corrosion/Irritation**: Not classified

**Serious Eye Damage/Irritation**: Not classified

**Respiratory or Skin Sensitization**: Not classified

**Germ Cell Mutagenicity**: Not classified

**Carcinogenicity**: Not classified

**Hydrogenated Tallow Glyceride (8030-12-4)**

**Reproductive Toxicity**: Not classified

**Specific Target Organ Toxicity (Single Exposure)**: Not classified

**Specific Target Organ Toxicity (Repeated Exposure)**: Not classified

**Aspiration Hazard**: Not classified

**Symptoms/Injuries After Inhalation**: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

**Symptoms/Injuries After Skin Contact**: Not irritating to skin.

**Symptoms/Injuries After Eye Contact**: The product is not considered to be irritating to the eyes.

**Symptoms/Injuries After Ingestion**: Ingestion is not expected to be harmful.

**Chronic Symptoms**: None known.

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**SECTION 12: ECOLOGICAL INFORMATION**

12.1. **Toxicity** No additional information available

12.2. **Persistence and Degradability** No additional information available

12.3. **Bioaccumulative Potential** No additional information available

12.4. **Mobility in Soil** No additional information available

12.5. **Other Adverse Effects**

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**SECTION 13: DISPOSAL CONSIDERATIONS**

13.1. **Waste treatment methods**

**Waste Disposal Recommendations**: Dispose of waste material in accordance with all local, regional, national, and international regulations.

**Ecology – Waste Materials**: Avoid release to the environment.

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**SECTION 14: TRANSPORT INFORMATION**

In Accordance With ICAO/IATA/IMDG/DOT

14.1. **UN Number** Not regulated for transport

14.2. **UN Proper Shipping Name** Not regulated for transport

14.3. **Additional Information**

**Other information**: No supplementary information available.

**Transport by Sea** Not regulated for transport

**Air Transport** Not regulated for transport

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**SECTION 15: REGULATORY INFORMATION**

15.1 **US Federal Regulations**

**Tallow, hydrogenated (8030-12-4)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 **US State Regulations**

**Hydrogenated Tallow Glyceride(8030-12-4)**

**State or local regulations** California Proposition 65 -- This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.
SECTION 16: OTHER INFORMATION

Revision Date : 03/19/15

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

NFPA Health Hazard : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

NFPA Fire Hazard : 1 - Must be preheated before ignition can occur.

NFPA Reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health : 0 Minimal Hazard - No significant risk to health

Flammability : 1 Slight Hazard

Physical : 0 Minimal Hazard

Personal Protection : C

The data herein are based on our current knowledge and believed to be reliable. Acme-Hardesty Co., provides this information without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

Users must make their own determination that handling, storage, use and disposal of the product in the anticipated manner is safe and appropriate. Because these actions of the user are out of our control, and may be beyond our knowledge, we do not assume responsibility and expressly disclaim liability for loss, damage, expense or any other claim arising out of or in any way connected with the handling, storage, use or disposal of the product or container.

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