

HAYNES Safety Data Sheet

VEGETAL-FILM

Haynes Manufacturing Company

Issue Date: 08/26/2019

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation

Glyceride Oils

Use of substance/preparation:

Lubricating grease for food grade 3H, H1 applications.

Company identification

Haynes Manufacturing Company
24142 Detroit Road
Westlake, OH USA

Emergency telephone number

Haynes Manufacturing Company
440-871-2188 Extension 195

2. HAZARDS IDENTIFICATION

GHS Classification :Not classified as dangerous under EC/GHS-criteria

Human Health Hazards :None

Physico-chemical and environmental hazards and effects: None

HMIS RATING USA

Health: 0	Flammability: 1	Reactivity: 0	PPI: -
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3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT	CAS #	HAZARD	DANGER SYMBOL(S)
Olus Oil (Vegetable Oil)	100	68956-68-3		

4. FIRST AID MEASURES

Swallowing

WHEN MOLTEN ONLY (molten product can cause thermal burns). Obtain medical attention immediately. This is not a toxic substance.

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Inhalation

No emergency care anticipated. WHEN MOLTEN ONLY (molten product can cause thermal burns). Obtain medical attention immediately.

Skin

WHEN MOLTEN ONLY (molten product can cause thermal burns) – In serious cases, use emergency shower immediately. Immediately flush skin thoroughly with water for at least 15 minutes while removing contaminated clothing and shoes. Obtain medical attention.

Eye contact

WHEN MOLTEN ONLY (molten product can cause thermal burns) – Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash Point: >93.4°C (200°F) PMCC, ASTM D93
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NFPA CLASSIFICATION USA

Health: 0	Flammability: 1	Reactivity: 0	Special provisions: -
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Extinguishing media

Suitable: Treat as an oil fire:

- dry chemical
- carbon dioxide (in case of small fires)
- water fog
- foam

Unsuitable: Do not use water jet. Oil will float on water and can spread any fire.

Special firefighting procedures

Do not direct a solid stream of water or foam into burning material; this may cause spattering and spread the fire. If a rail or tank truck is involved in a fire, ISOLATE for 800 meters (0.5 mile) in all directions. Shut off fuel to fire if it is possible to do so without hazard. If this is impossible, withdraw from the area and let the fire burn out under controlled conditions. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire.

Special protective equipment for firefighters

Self-contained breathing apparatus.

Unusual fire and explosion hazards

Following products may be produced during a fire: Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear suitable protective equipment.

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Environmental precautions

Avoid runoff to sewers or waterways. Dike area of spill to prevent spreading and pump liquid to salvage tank. Waste: avoid washing into watercourses. Use methods consistent with local regulations or incinerate.

Methods for cleaning up

Dike to contain spill. Absorb on inert material such as sand, earth, vermiculite. After cooling, scrape and/or shovel material. Stop the leak if it can be done without risk. Floor may be slippery; use care to avoid falling.

7. HANDLING AND STORAGE

HANDLING

Do not handle at temperatures $>+40^{\circ}\text{C}$, unless wearing appropriate protective equipment.

Ventilation

General (mechanical) room ventilation is expected to be satisfactory for use at room temperature.

STORAGE

Storage requirements

Keep away from heat, sparks and flame. Do not store at temperatures: $>+40^{\circ}\text{C}$ without proper safety review of storage equipment. Store protected from light.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

COMPONENT	COUNTRY	TYPE/REMARK	VALUE
Vegetable Oil Mist		If used in a way that generates A "mist" observe the limits for Mineral Oil Mist. TWA (mist), ACGIH STEL (mist), ACGIH	5mg/m ³ 10mg/m ³

OCCUPATIONAL EXPOSURE CONTROLS

Respiratory protection

None expected to be needed. If used in a way that generates a vapor/mist, wear an organic vapor respirator.

Hand protection/protective gloves

Wear oil resistant gloves. WHEN MOLTEN ONLY: wear gloves impervious to this material.

Eye protection

WHEN MOLTEN ONLY: Face shield or chemical splash goggles in case of splashing.

Skin protection

WHEN MOLTEN ONLY: Wear protective clothing, such as long sleeves to minimize skin contact.

Environmental Exposure Controls:

None expected to be needed.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State:	Semi-Solid
Color:	White to light yellow
Odor:	None or Mild Vegetable Oil
Odor Threshold:	N/A

Important health, safety and environmental information

Flammability	No Data
Evaporation Rate	No Data
Decomposition Temperature	No Data
Flash Point:	>93.4°C (200°F) Method: PMCC, ASTM D93
Upper explosion limits:	Not determined
Lower explosion limits:	Not determined
Vapor Pressure:	<0.1 kPa at 20°C
Density:	~0.8-0.9 g/cm ³ at 25°C
Bulk Density:	Not available
Solubility in Water:	Insoluble
Solubility in organic solvents:	Soluble
Kinematic viscosity:	10 – 20 mm ² /s at 100°C
Boiling Point:	> 230°C
PH:	N/A
Specific gravity (H ₂ O=1)	<1
Partitioning coefficient	log POW: >6 This product is soluble in oil.
Vapor Density:	N/A
Percent volatiles	Nil
Autoignition Temperature:	No Data
Melting Point:	35 - 80°C

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions/Materials to avoid: Extreme temperature and direct sunlight/ultraviolet light and strong oxidizing agents.

Hazardous combustion products

Burning can produce the following combustion products: Oxides of carbon and Soot

Hazardous polymerization: Will not occur.

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11. TOXICOLOGICAL INFORMATION

GENERAL

No evidence of harmful effects from available information.

12. ECOLOGICAL INFORMATION

This product is stable in water, and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with appropriate Federal, State and local regulations or incinerate.

14. TRANSPORT INFORMATION

ADR/RID

(when transported at <100°C) This product is not regulated by ADR.

Freight Description Road: 65 Solidified Vegetable Oil

IMDG/ICAO

This product is not regulated by IMDG/ICAO.

TDG-CANADA

This product is not regulated by TDG.

15. REGULATORY INFORMATION

EC/GHS classification

According to EC/GHS regulations this product is not classified or labeled

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#	New Jersey TS Number
Olus Oil (Vegetable Oil)	68956-68-3	

EPA Hazard Categories (SARA 311, 312): None

WHMIS Classification: This product is not a WHMIS controlled product.

Chemical Inventory

Canada: The ingredients of this product are on the DSL.
Europe: The ingredients of this product are on the EINECS inventory.
United States: The ingredients of this product are on the TSCA inventory.

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<u>Australia:</u>	The ingredients of this product are on the AICS inventory.
<u>China:</u>	This product is on the IECSC inventory.
<u>Japan:</u>	The ingredients of this product are on the ENCS inventory.
<u>Korea:</u>	This product is listed on the Existing Chemicals List (ECL).
<u>Philippines:</u>	This product is on the PICCS.
<u>New Zealand</u>	This product is on the New Zealand Chemical Inventory (NZIoC).
<u>Taiwan</u>	This product is on the Taiwan Chemical Substance Inventory (TCSI).

16. OTHER INFORMATION

Recommended uses and restrictions

Please consult the product and/or application information bulletins for this product.

Further information, Europe

Where appropriate, use CE approved personal protection equipment.

This Safety Data Sheet conforms to EC Directive 1907/2006 and amendments.

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End of Safety Data Sheet