

Safety Data Sheet

HALEON BIO 3246H

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **HALEON BIO 3246H**

Manufacturer or Supplier's Details: Stuart Hale Company
4350 W. Ohio Street
Chicago, IL 60624
United States

Emergency Telephone Number: 773-638-1800
Poison Control Center: Consult local
telephone directory for emergency number(s).

Recommended use of the chemical and restrictions on use

Recommended use Food Grade Hydraulic Lubricant

Prepared By Stuart Hale Company
773-638-1800

SECTION 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance	Liquid
Color	Clear and Bright
Odor	No odor or slight petroleum oil like

GHS Classification Not a hazardous substance or mixture.

GHS Label Element Not a hazardous substance or mixture.

Potential Health Effects

Primary Routes of Entry: Eye Contact
Ingestion
Inhalation
Skin Contact

Aggravated Medical Condition: None Known

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Carcinogenicity:

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known anticipated or carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

Chemical Name	CAS-No.	Concentration (%)
Canola Oil	120962-03-0	100% combination (Proprietary)
Antiwear Additives	597-82-0, 80939-62-4	
Metal Deactivator Additive	92470-86-7	
Antioxidant Additive	41484-35-9	
Corrosion Inhibitor Additive	110-25-8, 112-80-1	

SECTION 4. FIRST AID MEASURES

If inhaled:	Move to fresh air. Artificial respiration and/or oxygen may be necessary. Seek medical advice.
In case of skin contact:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Wash clothing before reusing. See medical advice.
In case of eye contact:	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. Obtain medical attention.

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If swallowed:

Rinse mouth with water. DO NOT induce vomiting unless directed to do so by a physician or position control center. Never give anything by mouth to an unconscious person. See medical advice.

Most important symptoms and effects, both acute and delayed:

First aider needs to protect himself.

SECTION 5. FIREFIGHTING MEASURES

Suitable Extinguishing Media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media:

No information available.

Specific hazards during firefighting:

Cool closed containers exposed to fire with water spray.

Hazardous Combustion Products:

Thermal decomposition can lead to release of irritation gases and vapors, Acrolein, Carbon monoxide (CO), Carbon Dioxide (CO₂), Smoke, Fumes.

Further Information:

Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. ACCIDENTAL RELEASE MEASURE

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Material can create slippery conditions.

Environmental Precautions:

Do not allow uncontrolled discharge or product into the environment.

Methods and Materials for Containment and Cleaning Up:

Prevent further leakage or spillage if safe to do so. Remove all sources of ignition. Soak up with inert absorbent material. Non-sparking tools should be used. Ensure

adequate ventilation. Contact the proper local authorities.

SECTION 7. HANDLING AND STORAGE

Advice on Safe Handling:

For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Use only with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Keep away from heat and sources of ignition. Keep container closed when not in use.

Conditions for Safe Storage:

Store in original container
Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers. To maintain product quality, do not store in heat or direct sunlight.

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Components with workplace control parameters

As an airborne mist containing vegetable oil, exposure limits pertaining to "vegetable oil mist" have been provided below.

Chemical Name	ACGIH TLV	OSHA PEL	MEXICO	NIOSH
Vegetable oil mist	TVL: 10 mg/m ⁽³⁾	TWA: 5 mg/m ³ mist, respirable fraction TWA: 15 mg/m ³ mist, total	TWA: 10/mg/m ³ except irritant oils ³	TWA: 10mg/m ³ total mist TWA: 5 mg/m ³ respirable mist

Engineering Measures:

No special ventilation requirements. Good general ventilation should be sufficient to control workers exposure to airborne containments.

**Personal Protective Equipment
Respiratory Protection:**

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Respirator selection must be based on known or

anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Filter Type:

Organic Vapor Filter

Hand Protection Material:

Neoprene, nitrile, polyvinyl alcohol (PVA), Viton (R).

Remarks:

Chemical-resistant, impervious gloves complying with approved standards should be work at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye Protection:

Wear face-shield and protective suit for abnormal processing problems.

Skin and Body Protection:

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Protective Measures:

Wash contaminated clothing before re-use. No special protective equipment is required.

Hygiene Measures:

Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash face, hands and any exposed skin thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light Yellow Liquid
Color:	Clear and Bright
Odor:	No odor or slight oil like.
Odor Threshold:	No data available
pH:	No data available
Pour Point:	< 5 °F
Boiling Point/Boiling Range	>500 °F
Flash Point	>425 °F
	Method: Cleveland open cup
Fire Point	No data available
Auto-Ignition Temperature:	No data available
Evaporation Rate:	No data available

Flammability:	Low fire hazard. This material must be heated before ignition will occur.
Upper Explosion Limit:	No data available
Lower Explosion Limit:	No data available
Vapor Pressure:	No data available
Relative vapor density:	No data available
Density:	0.82- .86 kg/ (15 °C / 59 °F)
Solubility(ies)	
Water Solubility:	No data available
Partition coefficient: noctanol/water:	No data available
Viscosity	46 cSt Typical (40 °C / 104 °F)
Explosive Properties:	Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

SECTION 10. STABILITY AND REACTIVITY

Possibility of Hazardous Reactions:	Hazardous polymerization does not occur. Stable under normal conditions.
Condition to Avoid:	No data available.
Incompatible Materials:	Reactive with oxidizing agents.
Hazardous Decomposition Products:	None Known (None Expected)

SECTION 11. TOXICOLOGICAL INFORMATION

Information on Likely Eye Contact	Eyes
Routes of Exposure:	Ingestion
	Inhalation
	Skin Contact

Acute Toxicity

Product:

Acute Oral Toxicity	Remarks: No data available
Acute Inhalation Toxicity	Remarks: No data available
Acute Dermal Toxicity	Remarks: No data available

Components:

White Mineral Oil (Petroleum):

Acute Oral Toxicity	LD50 (Rat): > 5,000 mg/kg
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Acute Inhalation Toxicity
Acute Dermal Toxicity

LC50 (Rat): > 5.2 mg/l
LD50 (Rabbit): >2,000 mg/kg

Skin Corrosion/Irritation

Product:

Remarks:

No data available

Components:

White Mineral Oil (Petroleum):

Result: Mild Skin Irritation

Serious Eye Damage/Eye Irritation

Product:

Remarks:

No data available

Components:

White Mineral Oil (Petroleum):

Result: Mild Skin Irritation

Respiratory or Skin Sensitisation
Germ Cell Mutagenicity
Carcinogenicity
Reproductive Toxicity
STOT-Single Exposure
STOT-Repeated Exposure

No data available
No data available
No data available
No data available
No data available
No data available

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY

PRODUCT:

Toxicity to Fish:
Toxicity to daphnia and other aquatic
invertebrates
Toxicity to Algae
Toxicity to Bacteria

No data available
No data available
No data available
No data available
No data available

PERSISTENCE and DEGRADABILITY

PRODUCT:

Biodegradability:
Bioaccumulative Potential
Mobility in Soil
Other Adverse Affects

No data available
No data available
No data available
No data available

SECTION 13. DISPOSAL CONSIDERATIONS

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Disposal Methods

Waste from Residues:

The product should not be allowed to enter drains, water courses or the soil. Offer surplus and non-recyclable solutions to a licensed disposal company. Waste must be classified and labeled prior to recycling or disposal. Send to a licensed waste management company. Dispose of as hazardous waste in compliance with local national regulations. Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulation

IATA-DGR

Not regulated as a dangerous good

IMDG-CODE

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

49 CFR

Not regulated as a dangerous good

TDG

Not regulated as a dangerous good

Special precautions for user

Not Applicable

SECTION 15. REGULATORY INFORMATION

OSHA Hazards:

No OSHA Hazards

The components of this product are reported in the following inventories:

International Inventories

The components of this product are reported in the following inventories:

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	AICS	ENCS ISHL	CHINA	PICCS	KECL	NZIoC
Canola Oil	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes

DSL:

On the inventory or in compliance with the inventory

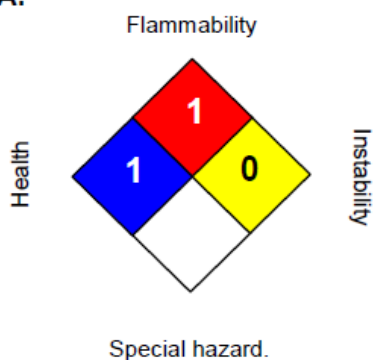
TSCA: All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

EINECS: On the inventory or in compliance with the inventory.

SECTION 16. OTHER INFORMATION

FURTHER INFORMATION

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

For Copy of (M)SDS:

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