



SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Hazardous Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.

1. Product and Supplier Identification

- 1.1 **Product:** Heavy Harvest Micro
- 1.2 **Other Means of Identification:** None
- 1.3 **Product Use:** Specialty Fertilizer
- 1.4 **Restrictions on Use:** See Manufacturer's Guide for use
- 1.5 **Producer:** NUTRILIFE PLANT PRODUCTS,
2286 McCallum Rd, Suite 102,
Abbotsford, BC V2S 3P4
Phone: (604) 606-6069
Fax: (604) 638-5116
- Supplier:** As above
- 1.6 **Emergencies:** +1 (604) 606-6069

2. Hazards Identification

2.1 **Classification of product or mixture**

Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients, if any, do NOT exhibit any health effects not listed in this SDS.

GHS Classification: None

2.2 **GHS Label Elements, including precautionary statements**

Pictogram: None
Signal Word: None

GHS Hazard Statements: None

GHS Precautionary Statements:

Prevention: None

Response: None.

Storage: None

Disposal: None

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: May produce minor skin and eye irritation.

2.4 Additional Information

Primary Routes of Entry:

Skin Contact: No
Skin Absorption: No
Eye Contact: Yes
Ingestion: No
Inhalation: No

Emergency Overview: Contact with the eyes may cause stinging, but no eye damage is likely.

Effects of Short-Term (Acute) Exposure:

Inhalation: This product is a viscous liquid. Vapours are non-irritating.

Skin Contact: Skin irritation is unlikely on contact.

Eye Contact: If splashed into the eye, irritation may occur causing transient tearing.

Ingestion: Non-toxic by ingestion.

Effects of Long-Term (Chronic) Exposure:

No long term health effects are known or expected.

Medical Conditions Aggravated By Exposure: None anticipated.

3. Composition

3.1 Mixture composition

Component	% (w/w)	GHS Classification
Molasses CAS No 8052-35-5 EC No None	100	No GHS Classification

4. First Aid Measures

4.1 Description of First Aid Measures

Notes to Physician: No specific advice. See First Aid below.

In case of eye contact: Immediately flush eyes with plenty of water for 15 minutes, lifting eyelids occasionally to ensure proper lavage of the eyes. If symptoms occur, seek immediate medical attention.

In case of skin contact: Wash affected area immediately with mild soap and water. If symptoms occur, seek medical attention.

If inhalation: This is not considered a route of exposure. Typical treatment for inhalation concern follows. Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention. If breathing has stopped, a trained person should perform artificial respiration.

If ingestion: Ingestion is unlikely to cause any health effect, but if gross amounts are ingested and victim develops symptoms or feels unwell, seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

Emergency Overview: Contact with the eyes may cause stinging, but no eye damage is likely.

Effects of Short-Term (Acute) Exposure:

Inhalation: This product is a viscous liquid. Vapours are non-irritating.

Skin Contact: Skin irritation is unlikely on contact.

Eye Contact: If splashed into the eye, irritation may occur causing transient tearing.

Ingestion: Non-toxic by ingestion.

Effects of Long-Term (Chronic) Exposure:

No long term health effects are known or expected.

Medical Conditions Aggravated By Exposure: None anticipated.

4.3 Indication of any immediate medical attention and special treatment needed

None indicated

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Water, dry chemical, carbon dioxide or foam.

5.2 Special hazards arising from mixture: Under fire conditions this product will burn. Heating can cause containers to expand or for decomposition products to cause violent rupture.

General Advice for Firefighters: Evacuate area and fight fire from a safe distance or a protected location. Stop leak if safe to do so. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Do not enter confined fire space without proper personal protection. Use approved positive pressure self-contained breathing apparatus. If possible, isolate materials not yet involved in the fire, and move containers from fire area if this can be done without risk, protect personnel. Otherwise, fire-exposed containers or tanks should be cooled by application of hose streams and this should begin as soon as possible and should concentrate on any unwetted portions of the container.

5.3 Further Information:

Hazardous Decomposition Products: No hazardous decomposition products.

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

HAZARDOUS MATERIALS INFORMATION SYSTEM (HMIS) HAZARD INDEX:

HEALTH: 0
CHRONIC: None indicated
FLAMMABILITY: 0
PHYSICAL: 0

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

All spill responders involved in a cleanup of this product must follow good industrial hygiene practices. Use personal protective equipment. Avoid breathing vapours, mist or gas. If used indoors, ensure adequate ventilation. Extinguish all sources of ignition. Absorb spilled material on inert absorbent and shovel into approved containers, properly labeled for disposal.

Respiratory Protection: If diluted and misted or atomized, wear a NIOSH approved N95 mask.

Skin protection: Wear clothing to protect for contact with skin. Wear gloves when handling.

Eye and Face Protection: Wear eye protection with side panels if there is a chance of splashing into eyes.

Footwear: No specific recommendation.

Other: None

6.2 Environmental precautions

This is a specialty fertilizer designed to promote growth of plants and vegetation. Prevent from spilling into natural waterways, sewers or drains.

6.3 Methods and materials for containment and cleanup

Clean up spills immediately to protect the environment from entry into sewers or water courses. Absorb onto inert material and scoop or shovel up material and place in an appropriate, properly labeled container for disposal.

Remedial Measures: Do not use unprotected hands to collect spilled material. Ensure proper protective equipment is used to prevent contact with skin and eyes.

Large Spills: Dike with earth, sand or inert sorbent material to contain spill. Remove liquid with compatible pumps or vacuum equipment. Place in suitable container for disposal. Flush area with water.

Small Spills: Flush area with water and protect from discharge into drains and waterways.

6.4 Other information: None

6.5 Reference to other sections

For disposal, see Section 13.

7. Handling and Storage

7.1 Precautions for Safe Handling

Handling Procedures:

This product may ferment if excessive moisture contamination is allowed. Fermentation may cause pressurization of closed containers with the production of carbon dioxide gas. Keep container tightly closed when not in use and to prevent contamination. Handle opened containers carefully. Wash face and hands thoroughly after handling and before eating, drinking, or using tobacco products. Avoid contact with eyes. Never use air pressure to empty a container.

7.2 Conditions for safe storage, including incompatibilities

Storage: Store in a cool, dry, well-ventilated area, out of direct sunlight, away from heat and ignition sources. Keep containers closed when not in use and protect from physical damage. Store below 40°C.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls, Personal Protection

8.1 Control parameters

Components with workplace control parameters

This product has no workplace exposure control limits.

8.2 Exposure Controls

Engineering Controls: Under manufacturer's recommended use, no particular engineering controls required. If use causes workplace control parameters to be reached, use adequate ventilation to reduce concentrations in air.

Respiratory Protection: If diluted and misted or atomized, wear a NIOSH approved N95 mask.

Skin protection: Wear clothing to protect for contact with skin. Wear gloves when handling.

Eye and Face Protection: Wear eye protection with side panels if there is a chance of splashing into eyes.

Footwear: No specific recommendation.

Other: None

Control of environmental exposure: Prevent from entering waterways, sewers or drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Note: Typical values are marked *

Appearance:	Black/dark brown viscous liquid
Odour:	Caramel odour
Odour Threshold:	No data available
pH:	4.9 – 5.5 (50% solution)
Melting Point/Freezing Point:	No data available
Initial Boiling Point:	>105°C* (typical)
Flash Point:	None
Evaporation Rate:	No data
Flammability:	Will burn when heated.
Upper Explosion Limit:	No data available
Lower Explosion Limit:	No data available
Vapour Pressure:	No data available
Vapour Density:	No data available
Relative Density:	1.3 gm/cm ³ (water = 1)
Solubility:	Completely soluble in water
Partition Coefficient:	No data available
Autoignition Temperature:	No data available
Decomposition Temperature:	Not available
Viscosity:	Not available
Explosive Properties:	Not available
Oxidizing Properties:	No data

Percent Volatiles: No data

9.2 Other safety information: None

10. Stability and Reactivity

10.1 Reactivity

Not reactive under recommended storage conditions

10.2 Chemical Stability

Stable under recommended storage conditions. Storage should be in a dry, clean area away from sunlight or excessive heat. Store away from strong oxidizers.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

High temperatures (above 40°C)

10.5 Incompatible materials

Strong oxidizers

10.6 Hazardous decomposition products

If involved in a fire, this product may emit oxides of carbon, nitrogen and other irritating fumes in smoke.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

No GHS classification

Skin corrosion/irritation

No GHS classification

Serious eye damage/eye irritation

No GHS classification

Respiratory or skin sensitization

No GHS classification

Germ Cell Mutagenicity

No GHS classification

Carcinogenicity

No GHS classification

Reproductive toxicity

No GHS classification

Specific Target Organ Toxicity – Single exposure

No GHS classification

Specific Target Organ Toxicity – Repeated exposure

No GHS classification

Aspiration Hazard

Heavy Weight

No GHS classification

Aquatic Toxicity

No GHS classification

Additional information

Relevant toxicity data:

Component	LD ₅₀	LC ₅₀
Molasses CAS No 8052-35-5	No data	No data

12. Ecological Information

12.1 Toxicity

This product is unlikely to cause any adverse environmental if released in small quantities but it is an oxygen depleting substance in an aquatic environment. No data on toxicity to fish, invertebrates or algae located.

12.2 Persistence and degradability

No data

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not conducted

12.6 Other adverse effects

No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product:

Dispose of product according to all applicable local, state (provincial), and federal regulations. Offer to a licensed disposal company, properly contained and labeled.

Contaminated Packaging:

As above. Ensure all packagings are leakproof, and properly labeled.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated for transport

United States Department of Transport (49CFR): Not regulated for transport

International Air Transport Association (IATA): Not regulated for transport

International Maritime Organization (IMO): Not regulated for transport

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:

CEPA, DOMESTIC SUBSTANCES LIST: Listed

AMERICAN FEDERAL REGULATIONS:

TSCA: (Toxic Substance Control Act): Listed

SARA 302 Extremely hazardous substance: No chemicals listed

SARA 311/312 Hazardous chemical: Not regulated

SARA 313 (TRI reporting): None

Other State Regulations:

Massachusetts Right to Know Components:
No ingredients listed.

Pennsylvania Right to Know Components:
No ingredients listed.

New Jersey Right to Know Components:
No ingredients listed.

California Prop 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

OTHER:
None

16. Other Information

Original Preparation Date: August 13, 2018

Prepared by: Technical Department

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by CCINFO, ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Seventh Edition of The Globally Harmonized System of Classification and Labeling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Nutrilife Plant Products expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

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Revisions: None