

Material Safety Data Sheet.

1. IDENTIFICATION

Product Identifier: S.D. Beef Liver Powder
Other Means of Identification:
Synonymes: Desiccated beef liver
Chemical Formula: Not available
Chemical Family: N/A
CAS Number: Not available
Recommended Use: Food Additive
Restrictions on Use: N/A
Initial Supplier Identifier: Gurvey & Berry Co. Inc.
310 Judson Street, Unit #15
Toronto, ON, Canada, M8Z 5T6
Tel: (416) 259-5700 Fax: (416) 259-5417
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Emergency Telephone number: Canutec +1 (613)-966-6666

2. HAZARD IDENTIFICATION

GHS Classification in accordance with Hazardous Products Regulations (HPR) OR/2015-17)

Sensitization – respiratory.	Category 1B	Statement H334
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Pictograms:

Signal word: **Danger!**

Hazard statements

H334 May cause allergy, or asthma symptoms, or breathing difficulties if inhaled.

Precautionary statements – prevention.

P261 Avoid breathing dust.
P284 Wear respiratory protection.

Precautionary statements - response

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P342 + P316 If experiencing respiratory symptoms: Get emergency medical help immediately.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

Any person who experiences any allergic or sensitive reactions to this powder should refrain from handling it again.

Precautionary statements - disposal

P501 Dispose of contents/container to an approved disposal plant and in accordance with local, provincial, federal regulations.

Hazards not otherwise classified (HNOC) or not covered by GHS. None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Common name / Synonyms	Other identifiers
S.D. Beef Liver Powder	N/A	100%	See section 1	None

Notes:

4. FIRST-AID MEASURES

First aid measures by route of exposure:

General: Avoid breathing dust
Wash hands, skin, and contaminated clothing thoroughly after handling.
Do not eat, drink, or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/clothing, respiratory and eye/face protection.

After Inhalation: Remove person to fresh air and keep comfortable for breathing.
If experiencing respiratory symptoms: Get emergency medical help immediately.

After Ingestion: Do not induce vomiting without medical advice.
Rinse mouth and throat thoroughly with tap water.
Give a glass of water to drink.

After Skin Contact: Remove contaminated clothing and shoes.
Brush off loose particles from skin.
Flush skin with soap and water at least 15 min.
Seek medical attention if irritation develops.

After Eye Contact: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists, get medical help.
Do not allow victim to rub eyes or keep them closed.

Most Important Symptoms and Effects, Acute and Delayed:

Symptoms/effects after inhalation of dust:

Wheezing, coughing, sneezing, chest tightness. Faster breathing and fast heartbeat. Drowsiness, confusion, tiredness, dizziness, and fainting.
Blue lips or fingers.
Seek medical attention.

Symptoms/effects after skin contact: Skin irritation, rash. Respiratory reaction is also possible with hypersensitive individuals.

Symptoms/effects after eye contact: Dust (or material) can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of the eyes. Respiratory reaction is also possible with hypersensitive individuals.

Symptoms/effects after ingestion: Respiratory reaction is also possible with hypersensitive individuals.

Medical Conditions Aggravated By Exposure:

Pre-existing allergic respiratory conditions

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water mist, dry chemical, foam.

Unsuitable Extinguishing Media: Carbon oxide. Do not use water jet.

Special Hazards Arising from the Product:

May cause allergic respiratory reaction.

Special Protective Equipment and Precautions for Fire-Fighters:

As in any fire, wear a self-contained breathing apparatus and full protective gear.
During a fire, irritating and highly toxic gases may be generated by thermal decomposition combustion.

Further information. May cause allergic respiratory reaction.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:

No action shall be taken involving any personal risk or without suitable training.

Communicate hazard.

Evacuate unprotected personnel to safe areas.

Wear personal protective equipment. (see section 8).

Remove all sources of ignition.

Ensure adequate ventilation. Avoid breathing dust.

Prevent further spill if safe to do so.

Wash hands thoroughly with soap and water after handling this material.

Methods and materials for containment and cleaning up

Small spill.

Wear Personal protective equipment (see section 8).

Prevent further spillage if safe to do so.

Spilled product should be removed immediately to avoid formation of dust.

Vacuum or gently moisten with water and collect into a sealable container for disposal.

Flush spill area with plenty of water (low pressure) into approved sewer.

Avoid formation of aerosols and dusts.

Ensure sufficient ventilation.

Dispose of containers in accordance with local, regional, and federal authority requirement.

Wash contaminated clothing.

Large spill.

Assess if you can handle the spill.

Get advice from emergency services if necessary.

Wear Personal protective equipment (see section 8).

Prevent further spillage if safe to do so.

Avoid generation of dusts. Ensure adequate ventilation. Avoid breathing dust.

If feasible, shovel into designated, labeled, closed waste containers for disposal.

Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Dispose of containers in accordance with local, regional, and federal authority requirement.

Environmental precautions

Do not let product enter drains and ground.

Reference to other sections

See section 1 for emergency contact.

See section 8 for information on appropriate personal protective equipment.

See section 13 for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Always wear personal protective equipment (see section 8)
 Avoid contact with eyes, skin.
 Avoid ingestion and inhalation.
 Avoid formation of dust.
 Use with adequate ventilation.
 For precautionary statements see also section 2.2

Wash hands thoroughly after handling.
 Do not eat in the area.

Conditions for Safe Storage: Store is tightly closed poly-liners within a sealed container in an odor-free environment, where normal temperature does not exceed 30C and relative humidity is not more than 70%.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL	TWA	STEL
	N/A	N/A	N/A	N/A

Appropriate Engineering Controls: Local and/or general exhaust ventilation.
 Eyewash station and safety shower.

Personal Protection Measures (e.g. personal protective equipment):

Eye/face protection Safety glasses with side-shields for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN (EU).

Skin and body protection Full body protective clothing, boots, gloves. Handle with gloves compatible with this material. Gloves must be inspected prior to use.

Respiratory protection Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If conditions warrant and the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Refer to NIOSH Criteria Guides to determine appropriate unit.

For spills and/or emergencies of unknown concentrations, an approved self-contained breathing apparatus operated in the pressure demand mode is required.

Control of environmental exposure Do not let product enter drains or ground.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form:	Powder
Color:	Brown
Molecular Weight:	N/A
Odour:	Characteristic
Odour Threshold:	N/A
pH:	N/A
Melting Point/freezing point:	N/A
Initial boiling point/boiling range:	N/A
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (solid; gas):	N/A
Upper flammability or explosive limits	N/A
Lower flammability or explosive limits	N/A
Vapor Pressure (mmHg):	N/A
Vapor Density (air=1):	N/A
Relative Density:	N/A
Solubility in Water:	Soluble
Solubility in Other Agents:	N/A
Partition coefficient (n-octanol/water)	N/A
Autoignition	N/A
Decomposition	N/A
Viscosity	N/A
Explosive properties	N/A
Oxidizing properties	N/A
Other information:	N/A

10. STABILITY AND REACTIVITY

Reactivity:	No data available.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	If extremely high levels of dust are generated in ambient air, material can support combustion.
Conditions to avoid:	Strong heat and moisture.
Incompatible materials:	No data available
Hazardous decomposition products:	Carbon oxides, Nitrogen oxides and other toxic fumes.
Other decomposition products	No data available
In the event of fire:	see section 5

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation:	Yes
Skin contact:	Yes
Eye contact:	Yes
Ingestion:	Yes

Acute Toxicity Oral LD₅₀:	N/A
Skin corrosion/irritation:	N/A
Serious Eye Damage/irritation:	N/A

Respiratory and/or Skin

Sensitization: Respiratory sensitizer (category 1B) see section 2

Aspiration Toxicity: N/A

STOT (Specific Target Organ Toxicity)

Single Exposure: N/A

STOT (Specific Target Organ Toxicity)

Repeated Exposure: N/A

Carcinogenicity:

IARC Not listed

ACGIH® Not listed

OSHA Not listed

Reproductive Toxicity: N/A

Germ Cell Mutagenicity: N/A

Interactive Effects N/A

12. ECOLOGICAL INFORMATION

Ecotoxicity:

No data available

Persistence and degradability:

Product is readily biodegradable.

Bioaccumulative potential:

No data available

Mobility in soil:

No data available

Other adverse effects: N/A

13. DISPOSAL CONSIDERATIONS

Wastes of Residues:

Package product wastes.

Close and label the waste receptacles and any unclean empty containers.

Dispose of according to local, provincial, and federal regulations.

Contaminated Packaging:

Do not reuse containers. Dispose of as unused product.

14. TRANSPORT INFORMATION

Not dangerous goods for transport. Keep separated from foodstuffs.

15. REGULATORY INFORMATION

CANADA DSL/NDSL: CAS number is not available.

16. OTHER INFORMATION

This information is based upon knowledge currently available.

More detailed information on the physical and chemical properties can be requested from the supplier. To the best of our knowledge, the information contained herein is accurate and complete. However, this should not be construed to imply any warranty or guarantee. Gurvey & Berry Co. Inc. shall not be held liable for any damage resulting from handling or from contact with the above chemical.

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This document will only be updated as needed.

N/A = not available.

N/D = not determined.