

Safety Data Sheet

Issue Date: 05-Dec-2025

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Version 1

1. IDENTIFICATION

Product identifier

Product Name Soul LBS

Other means of identification

SDS # GREEN-070

Recommended use of the chemical and restrictions on use

Recommended use Plant Fertilizer.

Details of the supplier of the safety data sheet

Supplier Address

Hydrofarm LLC
1510 Main St.
Shoemakersville, PA 19555
1-800-634-9990

Emergency telephone number

Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance White powder with blue specs

Physical state Liquid

Odor Odorless

Classification

Serious eye damage/eye irritation

Category 1

Label elements



Signal word

Danger

Hazard statements

Causes serious eye damage.

Precautionary Statements - Prevention

Wear eye protection/ face protection.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Other Information

Toxic to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Mixture**

Chemical name	CAS No.	Weight-%
Proprietary component 3	Proprietary	1-5
Proprietary component 4	Proprietary	1-5
Proprietary component 5	Proprietary	0.5-1.5

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**Description of first aid measures**

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes.
Inhalation	Remove to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms	Causes serious eye damage.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

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

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Not determined.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Wear eye/face protection.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Proprietary component 5	TWA: 1 mg/m ³ Cu dust and mist	TWA: 1 mg/m ³ Cu dust and mist	TWA: 1 mg/m ³ ; Cu dust and mist IDLH: 100 mg/m ³ Cu dust and mist

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear eye/face protection. Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and Body Protection Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Odorless
Appearance	White powder with blue specs	Odor Threshold	Not determined
Color	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	2.8-3.9	
Melting point / freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	No data available	
Evaporation rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor Pressure	Not determined	
Relative vapor density	No data available	
Relative Density	1.25 g/cm ³	
Water Solubility	Not determined	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	No data available	
Decomposition temperature	Not determined	
Kinematic viscosity	Not applicable	
Dynamic viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.
Inhalation	Do not inhale.
Ingestion	Do not ingest.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Proprietary component 1	= 3200 mg/kg (Rat)	-	> 0.83 mg/L (Rat) 4 h
Proprietary component 2	= 6600 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Proprietary component 3	= 1710 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Proprietary component 4	= 3015 mg/kg (Rat)	> 5000 mg/kg (Rat)	> 0.527 mg/L (Rat) 4 h
Proprietary component 5	= 472 mg/kg (Rat)	> 8 g/kg (Rabbit)	> 2.95 mg/L (Rat)

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Serious eye damage/eye irritation	Causes serious eye damage.
Carcinogenicity	Nitrate or nitrite ingested under conditions that result in endogenous nitrosation are considered carcinogens.

Chemical name	ACGIH	IARC	NTP	OSHA
Proprietary component 4		Group 2A - Probably carcinogenic to humans		Present

Numerical measures of toxicity

The following ATE values have been calculated for the mixture
ATE_{mix} (oral) 2,804.30 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Proprietary component 2	EC50: =2900mg/L (72h, <i>Desmodesmus subspicatus</i>)	LC50: =653mg/L (96h, <i>Lepomis macrochirus</i>) LC50: =3550mg/L (96h, <i>Lepomis macrochirus</i>) LC50: 510 - 880mg/L (96h, <i>Pimephales promelas</i>)	EC50: =890mg/L (48h, <i>Daphnia magna</i>)
Proprietary component 3	EC50: =0.056mg/L (72h, <i>Pseudokirchneriella subcapitata</i>)	LC50: =0.162mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: 0.03 - 0.05mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: 0.34 - 0.93mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: 0.218 - 0.42mg/L (96h, <i>Pimephales promelas</i>) LC50: =0.06mg/L (96h, <i>Pimephales promelas</i>) LC50: 0.23 - 0.48mg/L (96h, <i>Pimephales promelas</i>) LC50: 0.168 - 0.25mg/L (96h, <i>Pimephales promelas</i>) LC50: =0.15mg/L (96h, <i>Cyprinus carpio</i>) LC50: 16.85 - 27.18mg/L (96h, <i>Cyprinus carpio</i>) LC50: 3 - 4.6mg/L (96h, <i>Lepomis macrochirus</i>) LC50: 3.55 - 6.32mg/L (96h, <i>Lepomis macrochirus</i>) LC50: =0.63mg/L (96h, <i>Poecilia reticulata</i>) LC50: 49.23 - 64.16mg/L (96h, <i>Poecilia reticulata</i>) LC50: 0.48 - 1.72mg/L (96h, <i>Poecilia reticulata</i>)	EC50: =0.75mg/L (48h, <i>Daphnia magna</i>) EC50: 0.538 - 0.908mg/L (48h, <i>Daphnia magna</i>)
Proprietary component 5		LC50: 0.66 - 1.15mg/L (96h, <i>Lepomis macrochirus</i>) LC50: 0.96 - 1.8mg/L (96h, <i>Lepomis macrochirus</i>) LC50: 0.1478 - 0.165mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: 0.09 - 0.19mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: =0.6752mg/L (96h, <i>Pimephales promelas</i>)	EC50: 0.147 - 0.227mg/L (48h, <i>Daphnia magna</i>)

Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

Mobility

Not determined

Other adverse effects

Not determined

13. DISPOSAL CONSIDERATIONS

Disposal methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status This product contains one or more substances that are listed with the State of California as a hazardous waste

Chemical name	California Hazardous Waste Status
Proprietary component 3	Toxic
Proprietary component 4	Ignitable Reactive
Proprietary component 5	Toxic

14. TRANSPORT INFORMATION

Note

Transport within user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Proprietary component 1	X	ACTIVE	X	X	X	X	X	X	X
Proprietary component 2	X	ACTIVE	X	X	X	X	X	X	X
Proprietary component 3	X	ACTIVE	X	X	X	X	X	X	X
Proprietary component 4	X	ACTIVE	X	X	X	X	X	X	X
Proprietary component 5	X				X	X		X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing Chemicals Inventory

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
Proprietary component 3	1000 lb / 54 kg (final RQ)		RQ 1000 lb final RQ RQ 454 kg final RQ
Proprietary component 5	10 lbs	10 lbs	10 lbs

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Proprietary component 3 -		1-5	1.0
Proprietary component 4 -		1-5	1.0
Proprietary component 5 -		0.5-1.5	1.0

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Proprietary component 3	1000 lb	X		X
Proprietary component 5		X		

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Proprietary component 3	X	X	X
Proprietary component 4	X	X	X
Proprietary component 5	X		X

16. OTHER INFORMATION**NFPA****HMIS***Chronic Hazard Star Legend*

Health hazards -

Health hazards -

Flammability -

Flammability -

Instability -

Physical hazards -

Special hazards -

Personal protection -

* = Chronic Health Hazard

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Revision Note:

New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet