

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

Product Identifier

Product Name LC-11 300B - 20 KG

Other means of identification

Material Number 1270927

Recommended use of the chemical and restrictions on use

Recommended Use Food industry.

Details of the supplier of the safety data sheet

Supplier Address

Danisco USA Inc.
3329 Agriculture Drive
Madison, WI 53716
USA
+1 800 255 6837.

E-mail Address

sds.cultures@dupont.com

Emergency Telephone Number

+1 (319) 368-7657. For a Distribution incident - Spill, Leak, or Accident
CALL CHEMTREC - 800-424-9300 (within US)
DuPont registration number 671983

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label Elements

Emergency Overview

Hazards not otherwise classified (HNOC)

Other information

WARNING MAY FORM COMBUSTIBLE DUST- AIR MIXTURE
May cause allergic reactions to sensitive individuals by ingestion or by skin/eye contact.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Description

Freeze-dried microbial cultures.

Chemical Name	CAS-No	%
Microbial freeze dried Cultures	-	--

4. FIRST AID MEASURES

First Aid Measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. If eye irritation persists, consult a specialist.
Skin Contact	Wash off immediately with plenty of water. If skin irritation persists, call a physician.
Inhalation	If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.
Ingestion	Clean mouth with water and afterwards drink plenty of water. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

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

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use water spray, fog, Carbon dioxide (CO₂), foam or dry chemical.

Explosion Data

Sensitivity to Mechanical Impact Avoid dust formation.

Sensitivity to Static Discharge Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

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. Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide adequate protection.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

If spilled, take caution, as material can cause surfaces to become very slippery. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). For personal protection see section 8.

Environmental Precautions

No special environmental precautions required.

Methods and material for containment and cleaning up

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

Methods for Cleaning Up Avoid dust formation. Use industrial vacuum cleaner approved for combustible dust and area electrical classification. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Minimize dust generation and accumulation. Combustible dust clouds may be created where operations produce fine material (dust). Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Handling and processing operations should be conducted in accordance with 'best practices' (e.g. NFPA- 654). Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Conditions for safe storage, including any incompatibilities Keep/store only in original container. Keep container tightly closed. Check the Product Description for storage temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines Based on data available for ingredients.

Chemical Name	ACGIH TLV	OSHA 8 Hr. TWA:	NIOSH IDLH
Organic dust RR-13424-7	None Known	None Known	None Known
Microbial freeze dried Cultures	None Known	None Known	None Known

Appropriate engineering controls

Engineering Measures Ensure adequate ventilation Local exhaust ventilation of dust/vapour/aerosol at the point of generation.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles.

Skin and Body Protection Wear protective gloves and protective clothing.

Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State Powder, Solid

Color Light cream. Tan

Odor Typical odor of fermented product.

Odor Threshold No data available

pH No data available

Melting point/freezing point No data available

Boiling point / boiling range No data available

Flash Point No data available

Evaporation rate No data available

Flammability (solid, gas) No data available

Upper/lower flammability or explosive limits

Upper Flammability Limit No data available

Upper explosive limits No data available

Lower Flammability limit No data available

Lower explosive limits No data available

Vapor Pressure No data available

Vapor Density No data available

Relative density	No data available
Specific Gravity	No data available
Water Solubility	slightly soluble
Partition Coefficient (n-octanol/water)	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

10. STABILITY AND REACTIVITY

Reactivity

Not expected.

Chemical stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Incompatible Materials

Hazardous decomposition products

None known

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Acute toxicity

Inhalation

Inhalation of dust in high concentration may cause irritation of respiratory system.

Eye Contact

Dust contact with the eyes can lead to mechanical irritation.

Skin Contact

Prolonged or repeated contact may dry skin and cause irritation.

Ingestion

No known effect

Information on toxicological effects.

Symptoms

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization

May cause sensitization in susceptible persons.

Mutagenic effects

There is no data available for this product.

Carcinogenicity

There is no data available for this product.

Reproductive effects

There is no data available for this product.

STOT - single exposure

There is no data available for this product.

STOT - repeated exposure

There is no data available for this product.

Aspiration hazard

Not expected.

Numerical measures of toxicity

Chemical Name	ACGIH	IARC	NTP	OSHA
Microbial freeze dried Cultures	None Known	None Known	None Known	None Known

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Classification based on data available for ingredients

Persistence and Degradability

Based on data available for ingredients

Bioaccumulation/Accumulation

No bioaccumulation potential

Mobility

Soluble in water

Other Adverse Effects

None Known

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Waste Disposal Methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Dispose of empty containers and wastes safely. Dispose of waste product or used containers according to local regulations.

14. TRANSPORT INFORMATION

Harmonized Tariff Code 3002.90.5150

DEPT. OF TRANSPORTATION UN OR NA NUMBER Not classified as dangerous goods according to US transport regulation 49 CFR.

15. REGULATORY INFORMATION**U.S. Federal Regulations**

Chemical Name	SARA 313 - Threshold Values %	CERCLA/SARA - Section 302 Extremely Haz
Microbial freeze dried Cultures	Not listed	Not listed

This product does not contain any Proposition 65 chemicals.

16. OTHER INFORMATION

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Revision Date 04/11/2014

Americas GHS Format
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Revision Number 1

SDS sections updated No data available

Disclaimer

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END OF SDS