

Safety Data Sheet

according to WHS Regulations

Printing date 26.03.2021

Revision: 26.03.2021

1 Identification

Product Name: LOVELAND PRODUCTS FOUNDATION LM

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Microbial soil amendment

Details of Manufacturer or Importer:

Nutrien Ag Solutions Limited
Level 5, Building A, 26 Talavera Road,
Macquarie Park, NSW 2113

Phone Number: (02) 9889 5400

Emergency telephone number: 1800 033 111

2 Hazard(s) Identification

Hazardous Nature:

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified, according to the Globally Harmonised System (GHS).

Signal Word None

Hazard Statements None

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Water-based culture medium.

Hazardous Components: None

Additional information:

Mixture of micro-organisms, bacillus licheniformis, bacillus megaterium and bacillus pumilus, suspended in a culture based medium.

4 First Aid Measures

Inhalation: If inhaled, remove to fresh air. Seek medical attention if irritation persists.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. If irritation persists, or if rash develops, seek medical attention.

Eye Contact:

In case of eye contact, rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

Ingestion:

If swallowed, do not induce vomiting. Wash mouth with water and give 1 or 2 glasses of water to drink. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms persist.

Symptoms Caused by Exposure:

Inhalation: May cause mild irritation.

Skin Contact: May cause mild skin irritation or a rash.

Eye Contact: May cause mild irritation, redness and lachrymation.

Ingestion: May be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

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5 Fire Fighting Measures

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

No hazardous decomposition products known.

Product is not flammable.

Minimise run-off from fire fighting entering drains or water courses.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear protective equipment. Keep unprotected persons away.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.

Collect the spilled material and place into a suitable container for disposal.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of fertiliser mists.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

Conditions for Safe Storage:

Store product in dark fiberglass or plastic containers out of direct sunlight or UV light. Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Keep away from children, feed and food products, and seed. Protect from freezing, excessive heat and incompatible insecticides, fungicides and herbicides.

8 Exposure Controls and Personal Protection

Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:

Respiratory protection is not required under normal use conditions.

Use approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the

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frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Light yellow to brown
Odour:	Slight earthy odour
Odour Threshold:	No information available
pH-Value:	8
Melting point/freezing point:	< 0 °C
Initial Boiling Point/Boiling Range:	~ 100 °C
Flash Point:	Not applicable
Flammability:	Product is non flammable.
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure at 20 °C:	2.37 kPa
Relative Density at 20 °C:	0.9946
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Completely soluble
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Exposure to direct sunlight or UV light, freezing and excessive heat.

Incompatible Materials:

Feed and food products, and seed. May be incompatible with some insecticides, fungicides, and herbicides.

Hazardous Decomposition Products: No hazardous decomposition products known.

11 Toxicological Information

Toxicity:

LD50/LC50 Values Relevant for Classification: No information available

Acute Health Effects

Inhalation: May cause mild irritation.

Skin: May cause mild skin irritation or a rash.

Eye: May cause mild irritation, redness and lachrymation.

Ingestion:

May be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

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Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available

12 Ecological Information

Ecotoxicity: Expected to not be an environmental hazard.**Aquatic toxicity:** The product itself has not been tested.**Persistence and Degradability:** This product is biodegradable.**Bioaccumulative Potential:** It will not accumulate in the soil or water or cause long term problems.**Mobility in Soil:** The product itself has not been tested.**Other adverse effects:** No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers:

Dispose according to applicable local and state government regulations. Do not reuse container. Completely empty container into application equipment. Thoroughly rinse containers, adding rinse water into the spray tank.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated

15 Regulatory Information

Australian Inventory of Industrial Chemicals:

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Not Scheduled.

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16 Other Information

Date of Preparation or Last Revision: 26.03.2021**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Data altered compared to the previous version:

Section 1: Details of Manufacturer or Importer; Section 4: First Aid Measures; Section 5: Specific Hazards Arising from the Chemical; Section 6: Personal Precautions, Protective Equipment and Emergency Procedures; Section 7: Precautions for Safe Handling and Storage; Section 12: Ecological Information; Section 13: Disposal Methods.

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020"

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