

Safety Data Sheet
according to WHS Regulations

Date of issue: 13.02.2026

Revision: 13.02.2026

1 Identification

Product name: LOVELAND PRODUCTS FOUNDATION LM

Relevant identified uses of the substance or mixture and uses advised against microbial soil amendment

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

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

Telephone: +61 (02) 9889 5400

Emergency telephone number: 1800 033 111

2 Hazard(s) Identification

Classification of the substance or mixture

Classified as NOT 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), IATA and IMDG/IMSBC.

Signal word None

Hazard statements None

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

3 Composition and Information on Ingredients

Chemical characterisation: 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

Following inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

Following skin contact:

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Get medical attention if skin irritation occurs and persists.

Following eye contact:

Remove contact lenses, if present and easy to do. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Seek medical attention if irritation persists.

Following ingestion:

Keep at rest. Rinse mouth with water (only if the person is conscious). Give a glass of water to drink in small sips. Do NOT induce vomiting. Seek medical attention if feeling unwell.

Most important symptoms and effects, both acute and delayed

May cause eye irritation. May cause skin irritation. Inhalation of mist may cause respiratory irritation. May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

5 Fire Fighting Measures

Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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Special hazards arising from the substance or mixture

Product is not flammable.

No hazardous decomposition products known.

Advice for firefighters

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

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Ventilate affected area. Prevent skin contact. Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. Collection and use of expertise.

Environmental precautions:

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

Methods and material 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. Wash area after spill.

7 Handling and Storage

Precautions for safe handling

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of mist or spray. Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry and well-ventilated area, away from direct sunlight. Protect from freezing. Keep in original container, tightly closed. Keep away from children, feed and food products, and seed.

8 Exposure controls and personal protection

Ingredients with limit values that require monitoring at the workplace:

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

Exposure controls Ensure adequate ventilation of the working area.

Respiratory protection:

Respiratory protection is not required under normal use conditions.

In case of inadequate ventilation wear respiratory protection. Filter P2 (against particles) according to AS/NZS1716 standards.

Protection of hands:

Wear protective gloves. Recommended material: neoprene, nitrile rubber. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Wash hands and face thoroughly after handling.

Eye protection:

Wear eye/face protection. Use safety goggle with side protection. Use protective eyewear to guard against splash of liquids.

Body protection: Light weight protective clothing.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Light yellow to brown
Odour:	Slight, earthy

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pH-value:	8
Melting point/freezing point:	<0 °C
Initial boiling point and boiling range:	approx. 100 °C
Flash point:	Does not flash up to boiling
Flammability	Product is not flammable
Decomposition temperature:	No information available
Density:	0.995 g/cm ³
Solubility in / Miscibility with water	Fully miscible

10 Stability and Reactivity

Reactivity No further relevant information available.

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

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid Keep away from incompatible materials, and direct sunlight. Protect from freezing.

Incompatible materials: Feed and food products, and seed.

Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological Information

Acute toxicity Based on available data, the classification criteria are not met.

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

12 Ecological Information

Toxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Aquatic toxicity: No further relevant information available.

Persistence and degradability Easily biodegradable

Bioaccumulative potential Bioaccumulation is not expected to occur.

Mobility in soil No further relevant information available.

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.

Other adverse effects No further relevant information available.

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13 Disposal considerations

Waste treatment methods

Recommendation

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.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information

UN-Number

ADG, IMDG, IATA not regulated

UN proper shipping name

ADG, IMDG, IATA not regulated

Transport hazard class(es)

ADG, IMDG, IATA not regulated

Packing group

ADG, IMDG, IATA not regulated

15 Regulatory information

Australian Inventory of Industrial Chemicals All ingredients are listed or exempted from listing.

Standard for the Uniform Scheduling of Medicines and Poisons (Poison Standard) Not scheduled.

Australian Pesticides and Veterinary Medicines Authority Not regulated.

16 Other information

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Sources

Safe Work Australia's Code of Practice for Labelling of Workplace Hazardous Chemicals (under WHS Regulations).

Australian Dangerous Goods Code.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Nutrien Ag Solutions makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet.