

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: Defence N.R.G

Recommended use of the chemical and restriction on use: Plant health enhancement agent.

Details of Manufacturer or importer:

Multikraft Probiotics Australia

858 Gooburrum Road

Bundaberg Qld 4670

Phone number: 1300 642 762

Email: info@multikraft.com.au

2. HAZARD(S) IDENTIFICATION

Hazardous nature: The product is not classified according to the GHS

Label elements: None

Signal words: Void

Hazard statement: Void

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical characterisation: Mixtures

Description: Liquid mixture of microorganisms with nonhazardous ingredients and water.

Hazardous components: Void

4. FIRST AID MEASURES

Inhalation: No special measures required

Skin contact: in case of skin contact, wash area with soap and water. Seek medical attention if symptoms occur.

Eye contact: In case of eye contact, rinse opened eye cautiously with running water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Seek medical attention if symptoms occur.

Ingestion: If swallowed, rinse out mouth. Seek medical attention if symptoms occur.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use fire extinguishing methods suitable for surrounding conditions.

Special hazards arising from the chemical: No fire or explosion hazard exists.

Special protective equipment and precautions for fire fighters: No special measures are necessary.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: No special measures required.

Environmental precautions: No special measures required.

Methods and materials for containment and clean up: No special measures required

7. HANDLING AND STORAGE

Precautions for safe handling: Comply with instructions for use.

Conditions for safe storage: Store in a cool dark place, where possible. Do not refrigerate.

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 in the workplace.

Engineering controls: Not required under normal use conditions.

Personal protective equipment (PPE): N/A

Respiratory protection: Not required under normal use conditions.

Skin protection: Not required under normal use conditions.

Eye and face protection: Not required under normal use conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form:	Liquid
Colour:	Dark brown
Odour:	Fermented fragrance, chilli & garlic
Odour threshold:	No information available
pH value at 20°C:	3.3 - 3.6
Melting point/melting range:	Not applicable
Initial boiling point/boiling range:	As water
Flash point:	Not applicable
Flammability:	Not flammable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No information available
Explosion Limits	
Lower:	Not applicable
Upper:	Not applicable
Vapour pressure:	As water
Density:	1g/cm ³
Relative density:	No information available
Vapour density:	As water
Evaporation rate:	As water

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Solubility in water:

Fully miscible

Partition coefficient (n-octanol/water):

No information available

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions: No dangerous reactions known under normal circumstances.

Chemical stability: The product is stable for at least 24 months

Conditions to avoid: No information available

Incompatible materials: No information available

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: No effects known

Skin: No effects known

Eye: No effects known

Ingestion: No effects known

Skin corrosion/irritation: Based on classification principles, the classification criteria are not met.

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 data associated with long term health effects.

Existing conditions aggravated by exposure: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Contains naturally occurring microorganisms, as well as natural raw materials. It is not expected to have detrimental effects on the environment.

Aquatic toxicity: No information available

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Persistence and degradability: No information available

Bio accumulative potential: No information available

Mobility in soil: No information available

13. DISPOSAL CONSIDERATIONS

Disposal methods and containers: Expired products and containers can be disposed of with household waste. Dispose according to applicable local and state government regulations.

Special precautions for landfill or incineration: 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

15. REGULATORY INFORMATION

Australian inventory of chemical substances: 7732-18-5

16. ANY OTHER RELEVANT INFORMATION

Creation Date: 16.01.15

Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

LC50: Lethal Concentration, 50 per cent

LD50: Lethal Dose, 50 per cent

IARC: International Agency for Research on Cancer

Disclaimer:

This SDS has been prepared in accordance with WH&S Queensland *Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice 2011*.

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