

1 Identification of the substance and supplier—

Bio Bugs

A biological grease/organic material converter and odour eliminator

Biochem Solutions Ltd

11c Sultan Street

Ellerslie

Auckland 1051

Phone: (09) 526 1921

National Poisons Centre Ph: 0800 764 766

2 Hazards identification—



Danger

Serious eye damage/eye irritation. Category 1 (HSNO 8.3A)

Skin corrosion/irritation. Category 2 (HSNO 6.3A)

Respiratory sensitization. Category 1 (HSNO 6.5A)

H315 Causes skin irritation.

H318 Causes serious eye damage.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Prevention

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.

P261 Avoid breathing dust.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves & eye/face protection.

P285 In case of inadequate ventilation wear respiratory protection Use respiratory protection complying with AS/NZS 1715:2009 Selection, use and maintenance of respiratory protective equipment.

Response

P362 Take off contaminated clothing and wash before re-use.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P304 + P341 IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Disposal

P501 Use as directed. Recycle unwanted product.

3 Composition/information on ingredients—

Substance	CAS Number	%
Surfactant	68439-57-6	10-30
Enzymes		10-30
Citric acid	77-92-9	30 - 60
Non hazardous ingredients		Balance

4 First aid measures—

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

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/ attention.

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

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/physician.

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

5 Fire fighting measures—

Not classified as a flammable or combustible liquid under HSNO. Combustion products CO₂ & CO

Extinguishing media: water spray, CO₂, Foam

6 Accidental release measures—

Wear protective gloves & face/eye protection.

Take off contaminated clothing and wash before re-use.

Avoid breathing dust.

In case of inadequate ventilation wear respiratory protection Use respiratory protection complying with AS/NZS 1715:2009 Selection, use and maintenance of respiratory protective equipment.

Wash hands thoroughly after handling.

Avoid release to the environment

Retain using soil or sand to form a dam

7 Handling and storage—

Keep out of reach of children.

Read label before use.

Store securely closed. Wear gloves and protective eye/face protection.

Avoid breathing dust.

In case of inadequate ventilation wear respiratory protection Use respiratory protection complying with AS/NZS 1715:2009 Selection, use and maintenance of respiratory protective equipment.

Wash hands thoroughly after handling.

8 Exposure controls/personal protection—

No Workplace Exposure Standard set for product or ingredients.

Wear protective gloves and eye and face protection.

Avoid breathing dust.

In case of inadequate ventilation wear respiratory protection Use respiratory protection complying with AS/NZS 1715:2009 Selection, use and maintenance of respiratory protective equipment.

Wash hands thoroughly after handling.

9 Physical and chemical properties—

Appearance: Green Powder

Odour	Yeast like	Upper Flammable limit	Not Applicable
Odour threshold	Not Available	Vapour pressure kPa	Not Applicable
pH	5.5 – 6.5	Vapour Density	Not Applicable
Melting /freezing point	Not Applicable	Relative density	1.98
Initial Boiling point	Not Applicable	Solubility	Miscible
Flash point	Not Applicable	Partition coefficient n-octanol/water	Not Available
Evaporation Rate	Not Applicable	Auto-ignition temperature	Not Applicable
Flammability (solid, gas)	Not Applicable	Decomposition temperature	Not Available
Lower Flammable Limit	Not Applicable	Viscosity	Not Applicable

10 Stability and reactivity—

Product is stable

11 Toxicological information—

Acute toxicity Not acutely toxic, based on ingredient data.

Aspiration hazard Not an aspiration hazard, based on ingredient data.

Respiratory irritation Not a respiratory irritant, based on ingredient data.

Skin corrosion/irritation Calculated from the hazardous properties of the ingredients.

Serious eye damage/irritation Calculated from the hazardous properties of the ingredients.

Respiratory or skin sensitization Calculated from the hazardous properties of the ingredients.

Germ cell mutagenicity Not a germ cell mutagen, based on ingredient data.

Carcinogenicity Not carcinogenic, based on ingredient data.

Reproductive toxicity Not a reproductive toxin, based on ingredient data.

Specific organ toxicity (repeated and single exposure) Not a specific organ toxicant, based on ingredient data.

HSNO Classifications derived in accordance with the mixture rules specified in EPA's User Guide to the Thresholds and Classifications under the Hazardous Substances and New Organisms Act 1996, January 2017, Hazardous Substances (Minimum Degrees of Hazard) Notice 2017 & Hazardous Substances (Classification) Notice 2017.

12 Ecological information—

Ecotoxicity (aquatic and terrestrial) Not ecotoxic, based on ingredient data.

Persistence and degradability Not persistent, based on ingredient data.

Potential to be bioaccumulative Not bio accumulative, based on ingredient data.

Mobility in soil; and No data available

Other adverse effects. No data available

HSNO Classifications derived in accordance with the mixture rules specified in EPA's User Guide to the Thresholds and Classifications under the Hazardous Substances and New Organisms Act 1996, January 2017, Hazardous Substances (Minimum Degrees of Hazard) Notice 2017 & Hazardous Substances (Classification) Notice 2017.

13 Disposal considerations—

Preferably use product as directed. Empty, well drained packaging may be disposed of via a commercial refuse service. May be disposed in a sewage system or land fill that will neutralize the hazardous properties, in accordance with the Hazardous Substances (Disposal) Notice 2017, or accordance with local bylaws.

14 Transport information— If relevant,

Not classified as a Transport Dangerous Goods

15 Regulatory information—

HSNO approval number HSR002530. Cleaning Products (Subsidiary Hazard) Group Standard 2017

16 Other information—

prepared 3/08/2018