

Safety Data Sheet

1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND COMPANY

1.1 Product identifier

Activate K

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended uses Professional use as fertiliser

1.3 Details of the supplier of the safety data sheet

Terralift Australia, 11 Wainwright Rd, Athol, QLD 4350, Australia

T: 1300551944 F: (02)49135419 E: admin@terralift.com.au

1.4 Emergency telephone number

Tel: 1300551944

2. HAZARDS IDENTIFICATION

2.1 Poisons schedule: Not scheduled

2.2 Hazard classification:

Not hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

2.3 Label elements

Pictogram(s) None

Signal word: None

Hazard statements: None

Precautionary statements: None

Other hazards: None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients:

Substance	CAS number	Hazard classification (GHS):	Weight %
Iron Sulphate	7782-63-0	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H302)	1-5%
Potassium Nitrate	7757-79-1	Ox. Sol. 3 (H272)	1-5%

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice Show this SDS to the doctor in attendance.
 Inhalation Remove to fresh air and seek medical aid.
 Skin Contact: Wash with water. Remove and wash contaminated clothing.
 Eye Contact: Irrigate with water thoroughly and seek medical advice.
 Ingestion: Rinse out mouth with plenty of water and seek medical aid immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms None under normal processing

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media Use water, water spray, dry powder, foam or carbon dioxide.

Unsuitable extinguishing media High volume water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: May produce fumes if heated.

5.3 Advice for fire fighters

Coordinate fire extinguishing measures to fire in surrounding area.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Ensure adequate ventilation. Wear personal protective equipment.
Evacuate personnel to safe areas.

For emergency responders Use personal protection recommended in section 8.

6.2 Environmental precautions

Prevent material or washings entering water courses

6.3 Methods and material for containment and cleaning up

Methods for containment Sweep up spills carefully to minimise dust/spread of material.
Methods for clean-up Transfer to heavy-duty plastic bags or drums and keep safe for disposal. If material is uncontaminated reuse as recommended for product.

6.4 Reference to other sections

Section 8 and 13

7. HANDLING & STORAGE

7.1 Precautions for safe handling

General occupational hygiene advice Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. When using, do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/storage conditions Store in original containers, tightly closed in a secure, well ventilated area.

Packaging materials: 20kg polythene bags

Other advice For quality reasons store under dry conditions, out of direct sunlight, do not double stack pallets of product. Shelf life 2 years. Partly used bags should be closed well.

7.3 Specific end use(s)

Specific uses Fertiliser. Follow label instructions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Personal protective equipment

Eye / face protection: No special protective equipment required.

Skin and body protection: No special protective equipment required. Suitable work wear recommended.

Respiratory protection: Not required unless working in a confined space. If exposure is likely to exceed OEL concentrations, use a combination particle/vapour filter mask (minimum 10 times OEL)

Hand protection: No special protective equipment required. Work gloves recommended.

Work / Hygienic practices: Wash hands before eating, drinking or smoking.

Environmental exposure controls Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Homogenous granule, brown

Odour: Light odour

pH: 6.5 – 7.2

Melting point/freezing point No data available

Boiling point/range No data available

Flash point: Not applicable

Evaporation rate	Not applicable
Flammability (solid, gas):	Non-flammable
Vapour pressure:	Not applicable
Vapour density	Not applicable
Specific gravity:	760g/l
Water solubility:	Slightly soluble
Solubility(ies)	No data available
Partition coefficient	Not applicable
Auto ignition temperature	Not applicable
Decomposition temperature	No data available
Explosive properties	Does not present explosion hazard (based on data of ingredients)
Oxidising properties:	No data available
9.2 Other information	
Not applicable	

10. STABILITY & REACTIVITY

10.1 Reactivity

Not reactive.

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Extremes of temperature

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

None under normal processing

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):

In case of ingestion: May cause nausea or irritation to digestive system.

In case of skin contact: May cause mild skin irritation.

In case of inhalation: May cause irritation of the respiratory tract.

In case of eye contact: May cause irritation to the eyes

Symptoms related to the physical, chemical and toxicological characteristics:

No information available

Acute toxicity

No information available

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:

Skin corrosion/irritation No information available

Serious eye damage/eye irritation No information available

Respiratory or skin sensitisation No information available

Germ cell mutagenicity No information available

Carcinogenicity No information available

Reproductive toxicity No information available

STOT-single exposure No information available

STOT-repeated exposure No information available

Aspiration hazard No information available

Absence of specific data

No test data is available for the mixture as a whole. Data on ingredient substances has been provided where relevant.

12. ECOLOGICAL INFORMATION

According to the data on the components, this product does not have any known adverse effects on the aquatic organisms tested according to the classification criteria for mixtures.

12.1 Toxicity

Ecotoxicity: Do not allow product to enter the environment uncontrolled.

12.2 Persistence and degradability

Unlikely to accumulate in the environment (based on ingredient properties)

12.3 Bio accumulative potential

Low potential (based on ingredient properties)

12.4 Mobility in soil

Low potential for adsorption (based on ingredient properties)

12.5 Results of PBT and vPvB assessment

No information available

12.6 Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / packaging disposal Dispose of waste and packaging through a waste disposal contractor in accordance with local laws.

14. TRANSPORT INFORMATION

Not Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

14.1 UN-No: Not regulated

14.2 Proper shipping name Not regulated

14.3 Hazard class Not regulated

14.4 Hazard group Not regulated

14.5 Packing group Not regulated

14.6 Marine pollutant Not regulated

14.7 Environmental hazards Not regulated

14.8 Special provisions for user None

15. REGULATORY INFORMATION

15.1: General information No data available

15.2 Poisons schedule Not scheduled

15.3 Australian Inventory of Chemical Substances (AICS) Not listed

16. OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate

CAS: Chemical Abstracts Service

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

OEL: Occupational Exposure Limit

STEL: Short-term exposure limit

TWA: Time Weighted Average

Classification procedure

- Calculation method

- Test data

- Expert judgment and weight of evidence determination

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