

HAPPY SOILS ACTIVATE

Safety Data Sheet (SDS)

Revision: | Issue / review date: 24 June 2026

1. Identification

Product name	Happy Soils Activate
Other names	Activate Carbon; plant-based carbon soil conditioner
Recommended use	Agricultural application; soil conditioner; biological stimulant for soil and root-zone use
Uses advised against	Do not use other than as directed on the product label or technical instructions.
Product supplier	Happy Soils Pty Ltd
ABN	80 661 877 952
Address	5/25 Centre Way, Croydon South VIC 3136, Australia
Telephone	0431 060 155
Email	info@happypoils.com.au
Emergency contact	Poisons Information Centre: 13 11 26 (Australia, 24 hours). Emergency services: 000.

2. Hazard(s) identification

Based on the information available, this product is not classified as hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) as implemented under Australian WHS regulations. Not classified as Dangerous Goods for road/rail, sea or air transport based on available information.

Signal word	None allocated
GHS pictogram	None allocated
Hazard statements	None allocated
Precautionary statements	Avoid eye and prolonged skin contact. Avoid breathing mist/spray. Wash hands after handling. Keep out of waterways, drains and sewers.

3. Composition and information on ingredients

Chemical entity / description	CAS number	Proportion
Mixture of carbonic acid potassium salts / plant-derived carbon compounds	Not assigned / mixture	High (30-60%)
Water and other non-hazardous ingredients	Not assigned / mixture	To 100%

Exact composition is proprietary. Components not precisely identified are either non-hazardous at the concentrations present or below disclosure thresholds.

4. First aid measures

- Inhalation: If mist or spray is inhaled, remove person to fresh air and keep comfortable. Seek medical advice if symptoms persist.
- Ingestion: Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical advice if symptoms persist or large quantities are swallowed.
- Skin contact: Wash affected skin thoroughly with soap and water. Remove contaminated clothing. Seek medical advice if irritation develops.
- Eye contact: Immediately rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical advice if irritation persists.
- First aid facilities: Eyewash and normal washroom facilities should be available.
- Advice to doctor: Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media: Use media suitable for the surrounding fire, including water spray, foam, dry chemical powder or carbon dioxide.

Specific hazards: Product is not expected to be flammable. Heating may cause pressure build-up in closed containers. Thermal decomposition may produce carbon oxides and irritating fumes.

Fire-fighting precautions: Wear self-contained breathing apparatus and full protective clothing if exposure to vapours, fumes or combustion products is possible. Prevent contaminated firewater from entering drains or waterways.

6. Accidental release measures

- Wear suitable protective equipment to prevent skin and eye contact.

- Stop leak if safe to do so. Contain spill with inert absorbent such as sand, soil or vermiculite.
- Collect into labelled containers for disposal in accordance with local regulations.
- Wash spill area with water only where runoff can be contained.
- Prevent entry into drains, sewers and waterways.

7. Handling and storage

- Avoid eye contact, prolonged skin contact and breathing mist or spray.
- Use with good general ventilation.
- Keep containers closed when not in use. Check regularly for leaks.
- Store in a cool, dry, well-ventilated area away from direct sunlight and incompatible materials.
- Store away from oxidising agents and foodstuffs.

8. Exposure controls and personal protection

No occupational exposure standards have been established for this mixture. Keep exposure to mist or spray as low as practicable.

Engineering controls	Good general ventilation. Local exhaust may be required where mist or aerosol is generated.
Respiratory protection	Normally not required. If mist exposure is possible and ventilation is inadequate, use suitable respiratory protection selected in accordance with AS/NZS 1715 and AS/NZS 1716.
Eye/face protection	Safety glasses or chemical goggles where splashing is possible.
Hand protection	Impervious gloves such as nitrile, neoprene or PVC for repeated or industrial handling.
Body protection	Suitable work clothing. Chemical-resistant apron where bulk quantities are handled.

9. Physical and chemical properties

Appearance	Moderately viscous dark brown liquid
Odour	Specific characteristic odour
pH	6-7
Specific gravity	Approx. 1.2 kg/L at 20 °C
Solubility	Completely miscible in water
Total organic carbon	Approx. 20-21%
Total solids	Approx. 55%
Boiling point	>100 °C
Flash point	Not applicable / not flammable
Flammability	Not applicable

10. Stability and reactivity

Reactivity	No dangerous reaction known under normal conditions of use.
Chemical stability	Stable when stored and used as directed.
Conditions to avoid	Elevated temperatures; direct sunlight; incompatible materials.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	Carbon oxides and irritating fumes on thermal decomposition.
Hazardous reactions	Not expected under normal use.

11. Toxicological information

No product-specific toxicological test data was available for this draft. Information is based on available supplier information and product characteristics.

- Acute oral toxicity: Not expected to be acutely toxic under normal industrial use.
- Inhalation: Mist or spray may cause irritation of nose and throat.
- Skin: May cause mild irritation in sensitive individuals.
- Eye: May cause mild irritation, redness or tearing.
- Respiratory sensitisation: Not expected to be a respiratory sensitiser.
- Germ cell mutagenicity, carcinogenicity, reproductive toxicity and aspiration hazard: Not expected to be classified based on available information.

12. Ecological information

No product-specific ecological test data was available for this draft. Prevent uncontrolled release to waterways, drains and sewers.

Ecotoxicity	Not classified based on available information.
Persistence/degradability	No data available.
Mobility	No data available.
Bioaccumulative potential	No data available.

13. Disposal considerations

Dispose of contents and containers in accordance with local, state and federal requirements. Do not discharge bulk product to drains or waterways. Empty containers should be rinsed and recycled or disposed of in accordance with local requirements.

14. Transport information

ADG road/rail	Not classified as Dangerous Goods based on available information.
IMDG sea	Not classified as Dangerous Goods based on available information.
IATA air	Not classified as Dangerous Goods based on available information.
UN number	None allocated
Proper shipping name	None allocated
Transport hazard class	None allocated
Packing group	None allocated
Marine pollutant	No

15. Regulatory information

GHS / WHS classification	Not classified as hazardous based on available information.
SUSMP poison schedule	Not scheduled based on available information.
AICIS / AICS status	Components are expected to be listed or exempt; confirm against current formulation before final release.

16. Other information

Date of issue / review	24 June 2026
Revision	Draft 2.0
Supersedes	Happy Soils Activate MSDS/SDS dated 26 June 2021
Prepared for	Happy Soils Pty Ltd

This SDS has been prepared from product information available to Happy Soils Pty Ltd at the date of issue. It summarises health, safety and handling information for workplace use. Users must assess suitability for their own handling, storage, transport and application circumstances. This draft must be reviewed by a competent SDS author or suitably qualified person before public release, particularly where formulation, concentration, transport packaging or regulatory classification has changed.