

Safety Data Sheet

Supa Humus 26%™ SDS revision 03 10th March 2023

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Supa Humus 26%™
Other Names	None
Uses:	Plant food, activator and catalyst for professional applicators
Chemical family	Plant/crop nutrition
Chemical formula	C ₉ H ₈ K ₂ O ₄
Chemical name	Potassium Humate
Product description	Liquid fertiliser, for the correction and prevention of plant nutrient deficiencies
Contact details of the supplier of this Safety Data Sheet	
Company Name	Agrichem
Company address	2 Hovey Rd Yatala QLD 4207 Australia
Phone number	+ 61 7 3451 0000
Emergency contact	Poison Information Centre Australia – 13 11 26

2. HAZARD IDENTIFICATION

Poisons Schedule (Australian)	Not listed in SUSMP
Globally Harmonised System (GHS) Hazard classification	This product is not classified as hazardous under GHS/WHs
Hazard Category	None allocated
Pictograms	None allocated
Signal word	None allocated
Hazard Statements	None allocated
Prevention	None allocated
Response	None allocated
Storage	None allocated
Disposal	None allocated
National Transport Commission (Australian)	
Australian Code for the transport of Dangerous Goods by Road and Rail (ADG Code)	
Is NOT classified as Dangerous Goods according to the criteria of the ADG Code for road or rail transport ref ADG Code, ref to chapter 14 of this SDS.	

3. INFORMATION ON INGREDIENTS

Ingredient	CAS Registry number	Proportion %w/w
Non hazardous ingredients	None allocated	To 100
No ingredients present which to the current knowledge of Agrichem & in the concentrations present are classified as hazardous and thereby require reporting in this section.		

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed	Rinse mouth with water. Sip a glass of water if possible. Do not induce vomiting unless directed to do so by medical authority. Never give anything by the mouth to an unconscious person. Seek medical attention.
Eye	Immediately wash in and around the eye area with water for 15 minutes. Eyelids to be held apart. Check for contact lenses, remove if easy to do so. Continue rinsing. Seek medical attention.
Inhalation	Avoid breathing mist, spray or vapour. If inhaled, remove to fresh air. Employ artificial respiration if indicated. Seek medical attention.
Skin	Take off contaminated clothing. Rinse skin immediately with plenty of water for several minutes. Seek medical attention if irritation persists.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reaction/s.
Medical Conditions Aggravated by Exposure	No data available

Have the product container or label with you when calling the Poison Information Centre or a doctor or going for treatment.


5. FIRE FIGHTING MEASURES

General Measures	Clear area of all non-emergency personnel. Stay upwind. Keep out of low areas. Move fire exposed containers from fire area if it can be done without risk.
Flammability Conditions	Non-flammable material
Extinguishing Media	Use any means suitable for extinguishing surrounding fire.
Fire and Explosion Hazard	No data available
Hazardous Products of Combustion	May include carbon oxides or metal oxides.
Special Fire Fighting Instructions	Do NOT allow firefighting water to reach waterways, drains or sewers. Store firefighting water for treatment. Isolate ignition sources.
Personal Protective Equipment	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots and gloves).
Flash point	No data available
Upper/Lower Explosion Limit	No data available
Auto ignition Temperature	No data available
Hazchem Code	Not applicable

6. ACCIDENTAL RELEASE MEASURES

General Response Procedures	Avoid accidents, clean up immediately. Slippery when spilt. Increase ventilation. Stop leak if safe to do so. Isolate the danger area. Isolate ignition sources.
Clean up Procedures	Land spill: Dike spill with absorbent and inert materials. Vacuum, shovel, pump or sweep up the product and place in containers for disposal in accordance with applicable local regulations. Avoid contamination of water bodies during clean up and disposal. See containment section below. Spillage into water. Where possible, remove any intact containers from the water. Advise local water authority that none of the affected water should be used for irrigation or for the abstraction of potable water until natural dilution returns water to normal environmental background levels.
Environmental Precautionary Measures	DO NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority and local Waste Management. The product is soluble in water (see section 12).
Personnel Precautionary Measures	Personnel involved in the clean-up should wear protective clothing (as listed in section 8).

7. HANDLING AND STORAGE	
Handling	Prevent against physical damage. Wash hands after handling this material. Good housekeeping, splash and dust (i.e., when product dries) prevention procedures should be followed to minimise exposure and accumulation. Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Avoid contact with eyes, skin and clothing. Do not inhale product mist, spray or fumes.
Storage	Store in a cool, dry, well-ventilated area. Keep containers tightly closed if not in use. Inspect regularly for hazards such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Do not store with food stuffs. Use good housekeeping practices to prevent accumulation of product and follow sound cleaning techniques that will prevent contamination. Dry indoor storage is recommended. Provide appropriate ventilation and store containers such as to prevent any accidental damage.
Container / tankage	Store in original packaging as approved by manufacturer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
General	No specific exposure standards have been established for this product by Safe Work Australia.
Exposure Limits	No data available
Biological Limits	No data available, however all atmospheric contamination should be kept to as low a level as is workable with a default threshold limit value of 10 mg/m ³ as a time weighted average for liquefied mists.
Engineering Measures	A system of local and or general exhaust is recommended to keep employee exposure as low as possible. Local exhaust extraction/ventilation is preferred as it controls emissions at the source preventing dispersion of the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.
Personal Protection Equipment PPE	
	RESPIRATOR: Respirators should be used for conditions of use where exposure to spray or mist is apparent and engineering controls are not feasible.
	EYES: Use of chemical safety glasses may be considered if risk of contact with eyes exists. Maintain eye wash fountain and quick drench facilities in work area (AS1336/1337). An emergency eyewash or water supply should be readily accessible to the work area.
	HANDS: Chemical-resistant gloves (AS2161) may be considered for instances of repeated or prolonged contact.
	CLOTHING: Lab coat, apron or coveralls and safety footwear (AS3765/2210) may be considered.
Work Hygienic Practices	Thoroughly wash hands, forearms and face after using product, prior to eating, smoking, using toilet or at end of work period. Contaminated clothing to be laundered prior to re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical state	Liquid
Appearance	Solution
Odour	Slight, characteristic
Colour	Black
pH	9.5 – 12.0
Vapour pressure	No data available

Relative Vapour Density	No data available
Boiling point	>100°C
Melting point	No data available
Freezing point	No data available
Solubility in Water	Soluble in water (aqueous solution)
Specific Gravity	1.05 – 1.15
Flash Point	No data available
Auto Ignition Temp	No data available
Decomposition Temp	No data available
Molecular Weight	No data available
Particle Size	No data available
Particle Size Distribution	Solution product, no significant particles present
Viscosity	< 100 centipoise
Note: Physical data are typical values but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.	

10. STABILITY AND REACTIVITY

General Information	This product is stable under normal handling and storage conditions.
Chemical Stability	Stable under ordinary conditions.
Conditions to Avoid	Excessive heat, do not store near heat or flames or temperatures below 5°C.
Materials to Avoid	<ol style="list-style-type: none"> 1. Strong bases – can react 2. Strong oxidising agents – may decompose
Hazardous Products of Decomposition	May evolve oxides of metal or carbon if heated to decomposition.
Hazardous Polymerisation	Will not occur

11. TOXICOLOGICAL INFORMATION

General Information	No deleterious effects expected if product is handled in accordance with this Safety Data Sheet and product label. Health effects may arise if product is mishandled.
Eye Irritant	May cause irritation
Ingestion	May cause irritation
Inhalation	May cause irritation
Skin Irritant	May cause irritation
Reproduction	No data available
Carcinogen Category	No data available
Mutagenicity	No data available

12. ECOLOGICAL INFORMATION

General Ecotoxicity	
Algal toxicity	No data available
Invertebrate toxicity	No data available
Vertebrate toxicity	No data available
Persistence/ Degradability	Readily consumed in plants to support growth.
Mobility	Miscible with water
Environmental Fate	Do NOT let product reach waterways, drains and sewers.
Bioaccumulation	Low, as elements in product are essential to plant life and removed with crop.
Environmental impact	No data available

13. DISPOSAL CONSIDERATIONS

General Information	Whatever cannot be saved for recovery or recycling, should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.
----------------------------	---

Special Precautions for Landfill	Small quantities of this product can usually be disposed of at Liquid Waste Disposal sites. No special disposal treatment is required, but local authorities should be consulted about any specific local requirements. Larger volumes of this product are not recommended to be sent to Liquid Waste Disposal sites. Such product should, if possible, be used for an appropriate application.
---	---

14. TRANSPORTATION INFORMATION

Land Transport, Australian Dangerous Goods Code (ADG Code) for transport by road and rail.	
DG classification	Not listed in ADG Code
Regulation: ADR / RID	
UN number	Not regulated
UN proper shipping name	Not applicable
Transport hazard class (es)	Not applicable
Packaging group	Not applicable
Environmental hazard	No applicable
Additional information	Not applicable
Comments	NON-DANGEROUS GOODS: Not regulated for LAND transport
Regulation: IMDG	
UN number	Not regulated
UN proper shipping name	Not applicable
Transport hazard class (es)	Not applicable
Packaging group	Not applicable
Environmental hazard	Not applicable
Marine pollutant	No
Comments	NON-DANGEROUS GOODS: Not regulated for SEA transport
Regulation: IATA	
UN number	Not regulated
UN proper shipping name	Not applicable
Transport hazard class (es)	Not applicable
Packaging group	Not applicable
Environmental hazard	Not applicable
Comments	NON-DANGEROUS GOODS: Not regulated for AIR transport

15. REGULATORY INFORMATION

General information	Not Dangerous Goods under ADG Code
Poisons Schedule	A poison schedule number has not been allocated to this product using the criteria in SUSMP.
Hazardous Chemical Information system (HCIS)	Not listed in HCIS

16. OTHER INFORMATION

The information contained in this SDS is by way of general comment only. Because conditions of use, suitability of product and application conditions are beyond the control of Agrichem, this SDS does not offer any advice in respect to any product. The authors and Agrichem hereby disclaim any liability to any person, property, or thing in respect of any consequence of anything done or omitted to be done by any person in reliance, whether wholly or in part, upon whole or part of the contents of this SDS.

KEY

<p>< Less than > Greater than a.i. Active ingredient ADG Code Australian dangerous goods code AICS Australian Inventory of Chemical Substances ATE Acute toxicity estimation atm Atmosphere CAS Chemical Abstract Service (registry number) Cm² Square Centimetres CO₂ Carbon Dioxide deg C (°C) Degrees Celsius EPA Environmental Protection Agency based in each state of Australia g Grams g/cm³ Grams per Cubic Centimetre g/l Grams per Litre GRAS Generally recognised as safe HSIS Hazardous substances information system HSNO Hazardous substances and New Organism HDPE High density polypropylene IDLH Immediately Dangerous to Life and Health Immiscible Liquid are insoluble in each other inHg inch of Mercury InH₂O Inch of Water K Kelvin kg Kilogram kg/m³ Kilogram per Cubic Metre LC₅₀ LC stands for lethal concentration, LC₅₀ is the concentration of a product in air that will cause the death of 50% of a population of test animals. Product is normally inhaled for between 1 and more typically 4 hours LD₅₀ LD stands for lethal dose. LD₅₀ is the amount of product given in a single dose, causing death in 50% of a population of test animals.</p>	<p>LDLo The lowest amount of a solid or liquid material reported to have caused the death of animals or humans m³ Cubic Metre mbar Millibar mg Milligram mg/24H Milligrams per 24 hours mg/kg Milligrams per Kilogram mg/m³ Milligrams per Cubic Metre Misc or Miscible Liquids from one homogeneous liquid phase regardless of the amount of either component present mm Millimetre mmH₂O Millimetres of Water mPa.s Millipascals per Second MSHA Mine safety and health administration N/A Not Applicable NIOSH National Institute for Occupational Safety and Health NOHSC National Occupational Health and Safety Commission OECD Office for Economic Co-operation and Development PEL Permissible Exposure Limit Pa Pascal ppb Parts per Billion PPE personal protective equipment ppm Parts per Million ppm/2h Parts per million per 2 hours ppm/6h Parts per million per 6 hours psi Pounds per square inch R Rankine RCP Reciprocal Calculation Procedure SCBA Self Contained Breathing Apparatus SWA Safe Work Australia STEL Short Term Exposure Limit SUSMP Standard for the uniform scheduling of medicines and poisons TVL Threshold Limit Value TWA Time Weighted Average UN United Nations wt Weight</p>
--	---

End of SDS