

Safety Data Sheet

Supa K 30™ revision EU SDS 02 16th Dec 2020

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product Name	Supa K 30
Other Names	None

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

Uses:	Plant food, activator, and catalyst, for professional applicators to be used on farms (loading and spreading), greenhouses, open fields (foliar and fertigation)
Uses advised against	Other non-specified industry
Reason	Due to lack of related experience or data, the supplier cannot approve this use
Chemical family	Inorganic mineral based plant nutrition
Chemical formula	Formulated product see section 3
Chemical name	Formulated product see section 3
Product description	Liquid fertiliser, for the correction/prevention of nutrient deficiencies

1.3 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
Email	customerservice@agrichem.com.au

1.4 Emergency telephone number

National advisory body or poison information centre	Not available
Supplier Emergency telephone number	Poison Information Centre Australia +61 13 11 26 (24h)

2. HAZARD IDENTIFICATION

Classification of the substance or mixture	Product is defined as a mixture
---	---------------------------------

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	This substance does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC
-----------------------	--

This product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended

See section 16 for the full test of the H statements declared above.
See section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard Pictograms	Not required
Signal word	Not required
Hazard Statements	Not required
Precautionary Statements	
Prevention	Not required
Response	Not required
Storage	P102 Keep out of reach of children. P405 Store locked up.
Disposal	P501 Dispose contents / container in accordance with local / regional & national regulations

EU Regulation (EC) No. 1907/2006 (REACH) Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Refer to chapter 3 for component details
Special packaging requirements	Containers to be fitted with child-resistant fastening: Required Tactile warning of danger: Not applicable
2.3 Other hazards	
Other hazards which do not result in classification	No data available

3. INFORMATION ON INGREDIENTS				
3.2 Mixtures				
Formulation type:	Mixture			
Product / ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
1,2,3-Propanetricarboxylic acid, 2-hydroxy-, tripotassium salt	EC: 212-755-5 CAS: 866-84-2	>55 - <70	Not classified	-

Type

[1] Substance classified with a physical, health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

See Section 16 for the full text of the H statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvB or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES	
4.1 Description of first aid measures	
Eye	Rinse cautiously with water for several minutes. In all cases of doubt, or when symptoms persist, seek medical advice
Inhalation	Move to fresh air: Obtain medical attention immediately if breathing becomes difficult
Skin contact	Wash off with plenty of water. If prolonged contact occurs, rinse thoroughly with soap and water. Remove contaminated clothing. If symptoms persist seek medical attention
Ingestion	Rinse mouth, Seek medical attention
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training.
4.2 Most important symptoms and effects, both acute, delayed and over-exposure signs/symptoms	
Eye contact	Irritant effects
Inhalation	
Skin contact	
Ingestion	

4.3 Indication of any immediate medical attention and special treatment needed	
Advice to Doctor	None
Specific treatments	Product is high in Potassium

5. FIRE FIGHTING MEASURES	
5.1 Extinguishing Media	
Suitable extinguishing media	Co-ordinate fire-fighting measures to the fire surroundings water spray, foam, dry extinguishing powder, carbon dioxide (CO ₂)
Unsuitable extinguishing media	Water jet
5.2 Special hazards arising from the substance or mixture	
Hazards from the substance or mixture	In a fire or if heated, a pressure increase will occur and the container may burst. Hazardous decomposition / combustion products: Potassium oxides (K ₂ O _x)
Hazardous combustion products	Not flammable in its liquid form. If product dries out it can become combustible.
5.3 Advice for fire fighters	
Special protective actions for fire fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Do not permit fire fighting water to contaminate surface or ground water.

6. ACCIDENTAL RELEASE MEASURES	
6.1 Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate face/eye protection. Put on appropriate personal protective equipment (see Section 8).
For emergency responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)
6.3 Methods and materials for containment and cleaning up	
Small spill	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal

	contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal
6.4 Reference to other sections	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Not for human or animal consumption

Protective measures	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container. Provide adequate ventilation.
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Recommendations	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Storage temperature >5° C keep from freezing. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
------------------------	---

Seveso III Directive - Reporting thresholds

Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
None	No data available	No data available

7.3 Specific end use (s)

Recommendations	Agricultural and horticultural fertiliser for general use, both soil and foliar applied
------------------------	---

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in Exposure Scenario(s).

8.1 Control parameters

Occupational Exposure Limits


Product /ingredient name

This product

Dusts and mists nonspecific TWA 10 mg/m³ ref S.I. No. 619 of 2001

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following:
European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and

	<p>measurement strategy)</p> <p>European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents)</p> <p>European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents)</p> <p>Reference to national guidance documents for methods for the determination of hazardous substances will also be required.</p>
DNELs/DMELs	No additional data available
PNECs	No additional data available
8.2 Exposure controls	
Appropriate engineering controls	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.
Individual protection measures	
Hygiene measures	A washing facility or water for eye and skin cleaning purposes should be present. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing.
Eye face protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dust
Skin protection	
Hand protection	Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Nitrile rubber >0.11 mm thick (NBR) is preferred. Breakthrough >480 minutes (permeation level 6)
Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	Respiratory protection necessary at: mist formation. Particulate filter device (EN 143). P1 (filters at least 80 % of airborne particles, colour code: White).
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Personal protective equipment (Pictograms)	

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solution
Appearance	Liquid
Odour	Slight, characteristic
Odour threshold	Not determined
Colour	Green
pH	8.0 – 9.0
Vapour pressure	No Data Available
Vapour density	No Data Available

Relative Vapour Density	No Data Available
Boiling point	>100 degrees Celsius
Melting point	>180 deg C
Freezing point	No data available
Solubility in water	Complete
Specific gravity	1.45 – 1.46 g/cm ³
Miscibility with water	No Data Available
Partition coefficient: noctanol/water	Not determined
Flash point	No Data Available
Flammability (solid, gas)	Not applicable to liquids
Upper/lower flammability or explosive limits	Lower: No Data Available Upper: No Data Available
Evaporation rate	Slow
Auto Ignition Temperature	No Data Available
Explosive properties	Shall not be classified as explosive
Oxidising properties	None
Molecular weight	No Data Available
Particle size	Not applicable to solutions
Particle size distribution	Not applicable to solutions
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	
10.1 Reactivity	No dangerous reactions known under normal conditions of use.
10.2 Chemical Stability	Stable under ordinary conditions
10.3 Possibility of hazardous reactions	No Data Available
10.5 Incompatible materials	Keep away from heat, decomposition takes place at temperatures above 280 deg C
10.6 Hazardous decomposition products	Hazardous combustion products: see section 5.

11. TOXICOLOGICAL INFORMATION					
11.1 Information on toxicological effects					
Acute toxicity					
Product ingredient name	Method	Species	Result	Exposure	References
E1,2,3-Propanetricarboxylic acid, 2-hydroxy-, tripotassium salt EC: 212-755-5	LD50 Oral	Rat	7200 mg/kg	Not applicable	Fisher scientific
Conclusion / Summary		Oral: Based on available data, the classification criteria are not met			
Acute toxicity estimates (ATE)		No data available			
Irritation/corrosion					
Conclusion summary:					
Skin	No Data Available				
Eyes	No Data Available				
Respiratory	No Data Available				
Sensitization					
Conclusion summary					
Skin	No Data Available				

Respiratory	No Data Available		
Mutagenicity			
Conclusion summary	No Data Available		
Carcinogenicity			
Conclusion summary	There are no known carcinogenic chemicals in this product		
Reproductive toxicity			
Conclusion summary	No known significant effects or critical hazards		
Specific target organ toxicity (repeated exposure)			
Product ingredient name	NOAEL	Exposure route	Target organs
This product	No known significant effects or critical hazards		
Information on the likely routes of exposure	No data available		
Potential acute health effects			
Inhalation	No data available		
Ingestion	No data available		
Skin contact	No data available		
Eye contact	No data available		
Symptoms related to the physical, chemical and toxicological characteristics			
Inhalation	No data available		
Ingestion	No data available		
Skin contact	No data available		
Eye contact	No data available		
Delayed and immediate effects and also chronic effects from short and long term exposure			
Short term exposure			
Potential immediate effects	No data available		
Potential delayed effects	No data available		
Long term exposure			
Potential immediate effects	No data available		
Potential delayed effects	No data available		
Potential chronic health effects	No known significant effects or critical hazards		
Carcinogenicity	No known significant effects or critical hazards		
Mutagenicity	No known significant effects or critical hazards		
Fertility effects	No known significant effects or critical hazards		
Developmental effects	No known significant effects or critical hazards		
Effects on lactation	No known significant effects or critical hazards		
Other effects	No known significant effects or critical hazards		
Other information	No data available		
Over exposure signs/ symptom			
Eye contact	No specific data		
Inhalation	No specific data		
Skin contact	No specific data		
Ingestion	No specific data		

12. ECOLOGICAL INFORMATION			
12.1 Toxicity	Method	Species	Result

Conclusion summary	Acute LC50	-	-
	No known significant effects or critical hazards		
12.2 Persistence and degradability	acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment. Theoretical Oxygen Demand: 0,3699 mg/mg Theoretical Carbon Dioxide: 0,814 mg/mg		
Conclusion/Summary	No known significant effects or critical hazards.		
12.3 Bioaccumulative potential			
Product ingredient name	Log Kow	BCF	Potential
Cu EDTA	No data available	No data available	Ref to Log Kow
Conclusion summary	Low potential for bioaccumulation		
12.4 Mobility in soil			
Soil/water partition coefficient (KOC)	No data available		
Mobility	The product is water soluble, and may spread in water systems Will likely be mobile in the environment due to its water solubility. Highly mobile in soils		
12.5 Results of PBT and vPvB assessment			
PBT	No data available for assessment		
vPvB			
12.6 Other adverse effects	No known significant effects or critical hazards.		

7

13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.	
Hazardous waste	Yes
European waste catalogue (EWC)	
Waste code	07 – 01 -99 wastes not otherwise specified. (E1,2,3-Propanetricarboxylic acid, 2-hydroxy-, tripotassium salt)
Packaging method of disposal	The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and run off and contact with soil, waterways, drains and sewers.

14. TRANSPORTATION INFORMATION

ARD/RID/ADN	
14.1 UN number	Not regulated
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class (es)	Not applicable

14.4 Packaging group	Not applicable
14.5 Environmental hazard	No
Additional information	Not applicable

Regulation: IMDG	
14.1 UN number	Not regulated
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class (es)	Not applicable
14.4 Packaging group	Not applicable
14.5 Environmental hazard	No
Marine pollutant	No

Regulation: IATA	
14.1 UN number	Not regulated
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class (es)	Not applicable
14.4 Packaging group	Not applicable
14.5 Environmental hazard	No
Additional information Marine pollutant	No

14.6 Special precautions for user

14.6 Special precautions for user	Transport within user's premises; Ensure that persons transporting the product know what to do in the event of an accident or spillage.
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	The cargo is not intended to be carried in bulk.
Transport in bulk according to IMO instruments	Not applicable

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or	Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU) • Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC)
--	--

mixture	<ul style="list-style-type: none"> • Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS) • Regulation 850/2004/EC on persistent organic pollutants (POP) • Restrictions according to REACH, Annex XVII • List of substances subject to authorisation (REACH, Annex XIV) Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II, not listed 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, tripotassium salt
Other EU regulations	- EINECS/ELINCS/NLP (Europe) - REACH (Europe)
Ozone depleting substances (1005/2009/EU)	None of the components are listed.
Prior Informed Consent (PIC) (649/2012/EU)	None of the components are listed
Seveso Directive	No data available
Danger criteria	No data available
National regulations	
Biological product regulations	Not applicable
Notes	To our knowledge no other country or state specific regulations are applicable
15.2 Chemical Safety Assessment	For this substance a chemical safety assessment was not carried out

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 Manufacturing Industries Pty Ltd 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

< 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
bw Body weight
CLP Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CAS Chemical Abstract Service (registry number)
Cm² Square Centimetres
CO₂ Carbon Dioxide
deg C (°C) Degrees Celsius
DNEL Derived No Effect Level
DMEL Derived Minimal Effect Level
EPA Environmental Protection Agency based in each state of Australia
EUH statement = CLP-specific Hazard statement
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.

LDLo The lowest amount of a solid or liquid material reported to have caused the death of animals or humans

m³ Cubic Metre

MAPP Major accident prevention policy

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

PBT Persistent, Bioaccumulative and Toxic
vPvB Very Persistent and Very Bioaccumulative

PEL Permissible Exposure Limit

PNEC Predicted No Effect Concentration

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

RRN REACH Registration Number

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

Key data sources

HSDB Hazardous Substances Data Bank

ECHA

Fisher scientific SDS

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]	
Classification	Justification
None	Dilution
Full text of abbreviated H statements	
None	

End of SDS