

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Super K 40
Product Type: Liquid Fertiliser
Company Name: Hi-Tech Ag Solutions
 24 Shanahan Road (PO Box 5351)
 Davenport WA 6230 Australia
Phone: 08 9725 7322
Emergency Contact: 0499 944 099
Date of Issue: 15th January 2025

2. HAZARDS IDENTIFICATION

Hazard Classification: Hazardous according to the criteria of GHS Classification
 Non-Dangerous goods according to the Australia Dangerous Goods Code.

GHS Classification: Eye Damage/Irritation – Cat 2
 Skin Irritation – Cat 2
 Respiratory irritation – Cat 3
 Hazardous to Aquatic environment – Cat 3

Label Elements:



Signal Word: Warning

Hazard Statement: H315 – Causes skin irritation
 H319 – Causes serious eye irritation
 H335 – May cause respiratory irritation

Precautionary Statement(s): P261 – Avoid breathing dust/fume/gas/mist/vapours/spray
 P264 - Wash hands and eyes thoroughly after handling.
 P280 - Wear protective gloves/protective clothing, eye protection/face protection.
 P305+P351+P338 – IF IN Eyes rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do continue rinsing.

Storage: P403 + P233 – Store in a well- ventilated area, keep container tightly closed.

Disposal: P501 - Dispose of contents/container according to applicable local and state government regulations.

3. INFORMATION ON INGREDIENTS

Chemical Entity	CAS Number	Proportion
Potassium Carbonate	584-08-7	35 – 60%
Water	7732-18-5	BALANCE%

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. Seek medical attention, if symptoms persist

Ingestion: Rinse mouth thoroughly with water. Seek medical attention immediately

Skin Contact: Remove contaminated clothing. Seek medical attention if irritation persists.

Eye: Rinse with plenty of clean water, seek immediate medical attention., immediately

First Aid Facilities: Eyewash and normal washroom facilities

Advice to Doctor: Treat symptomatically

Other Information: For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

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24 Shanahan Road (PO Box 535), Davenport WA 6230 Australia

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5. FIRE FIGHTING MEASURES

Extinguishing Media Use suitable extinguishing media for fire.

Specific Hazards: This product is non-combustible, but oxides of carbon will form as product decomposes when heated.

Advice for Firefighters Wear suitable breathing apparatus, remove undamaged containers if it is safe

Hazchem Code: No Data Available

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Personnel should wear full protective clothing. Avoid accidents, clean-up immediately. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product, as it is slippery. Stop leak if safe to do so. Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management. Soak up using absorbent material such as soil.

Clean Up Procedures: Use absorbent material such as soil to collect material and transfer to a suitable, labelled, dry chemical-waste container and dispose of promptly as hazardous waste.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Use only in a well-ventilated area. Keep containers sealed when not in use. Avoid inhalation of vapours and mists, and skin, eye, or clothing contact. Remove Personal Protective Equipment (PPE) Immediately after handling this product. Maintain high standards of personal hygiene

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area, Store in original, labelled containers. Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards: No exposure value assigned for this specific material

Biological Limit Values: No biological limits allocated.

Engineering Controls: Use with good general ventilation or with respiratory protection. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

PPE:

Eye Protection: Safety glasses with side shields should be worn.

Hand Protection: Wear gloves of impervious material

Body Protection: Wear suitable coveralls, that are chemical resistant

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless Liquid	Melting Point:	N/A
Solubility in Water:	Soluble	Boiling Point:	>100° C
Specific Gravity:	1.41 – 1.55	Vapour Pressure:	N/A
pH Value	11.0 – 12.0	Vapour Density	N/A
Flammability:	Not flammable	Flash Point:	N/A

Auto-Ignition Temperature:	N/A	Flammable Limits	N/A
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Note: Physical data 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

Chemical Stability: Stable under normal conditions of storage and handling.

Conditions to Avoid: Excessive heat.

Incompatible Materials: Acids; copper, brass, and metals.

Hazardous decomposition Products: Oxides of carbon

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: Data not available

Skin Corrosion/Irritation: May cause Skin irritation.

Serious Eye: May cause irritation with tearing, swelling, or stinging of the eyes.

Ingestion: Large doses may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Respiratory irritation: Mild Irritant

Germ Cell Mutagenicity: Data not available

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.

Reproductive Toxicity: Data not available

STOT – single exposure Data not available

STOT- repeated exposure: Data not available

13. ECOLOGICAL INFORMATION

Aquatic Toxicity: No Data available

Persistence & degradability: Data not available

Bio accumulative potential: Data not available

Mobility in soil: Data not available

13. DISPOSAL CONSIDERATIONS

Recover or recycle in an approved waste disposal facility. Always dispose of in accordance with local, state, and federal regulations.

14. TRANSPORTATION INFORMATION

Not classified as dangerous in the meaning of transport regulations

15. REGULATORY INFORMATION

Poisons Schedule: Not allocated using criteria in the Standard for the Uniform Labelling (SUSMP)

16. OTHER INFORMATION

This information is based on collective and current knowledge, is intended to describe the product for purposes of safety, environmental and health requirements only. It should therefore not be construed as guaranteeing any specific property of the product. The SDS is prepared by Hi Tech Ag (PTY) LTD

Key/Legend

<	Less Than	atm	Atmosphere
>	Greater Than	CAS	Chemical Abstracts Service (Registry Number)

AICS	Australian Inventory of Chemical Substances	cm²	Square Centimetres
CO₂	Carbon Dioxide	COD	Chemical Oxygen Demand
(°C)	Degrees Celsius	K	Kelvin
g	Grams	GHS	Globally Harmonised System
g/cm³	Grams per Cubic Centimetre	g/l	Grams per Litre
mmHg	Millimetre of Mercury	Kg	Kilogram
Kg/m³	Kilograms per cubic metre	lb	Pound
LC50	Lethal Concentration of a material in air which causes the death of 50% of a group of test animals.	LD 50	Lethal dose of material given all at once, which causes death of 50% of a group of test animals.
Ltr/L	Litre	m³	Cubic meter
mbar	Minibar	mg	Milligram
mg/24H	Milligrams per 24 Hour	mg/kg	Milligrams per Kilogram
mg/m³	Milligrams per Cubic Metre	mm	Millimetre
mmH2O	Millimetres of Water	mPa.s	Millipascals per Second
N/A	Not Applicable	NIOSH	National Institute for Occupational Safety &Health
NOHSC	National Occupational Health and Safety Commission	OECD	Organisation for Economic Co-operation & Development
Oz	Ounce	PEL	Permissible Exposure Limit
Pa	Pascal	ppb	Parts per Billion
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
STOT	Specific Target Organ Toxicity	TLV	Threshold Limit Value
Tne	Tonne	TWA	Time Weighted Average
µg/24H	Micrograms per 24 Hours	UN	United Nations
wt.	Weight	Immiscible: Liquids are insoluble in each other	
Misc. or Miscible liquids form one homogenous liquid phase regardless of the amount of either component.			

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