

Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Super K 40
Synonyms: -
Product Type: Potassium Carbonate Liquid 40% w/v
Company Name: Hi-Tech Ag Solutions
24 Shanahan Road (PO Box 5351)
Davenport WA 6230 Australia
Phone: 08 9725 7322
Emergency Contact: Terry Kneale
After Hours Chief Executive Office
0499 944 099

Date of Issue: 30th May 2019

2. HAZARDS IDENTIFICATION

Hazard Classification: Hazard classification according to the criteria of GHS Classification.
Dangerous goods classification according to the Australia Dangerous Goods Code.

Hazard Category C Corrosive

GHS Classification: Skin Corrosion/Irritation – Category 1B

Label Elements:



Signal Word: Danger

Hazard Statement: Causes Severe skin burns and eye damage
Harmful if swallowed

Precautionary Statement(s): Do not breathe vapours. Wash hands and eyes thoroughly after handling. Wear protective gloves/protective clothing, eye protection/face protection.
Do not eat, drink or smoke when using this product.

3. INFORMATION ON INGREDIENTS

Chemical Entity	Formula	CAS Number	Proportion
Potassium Carbonate (K ₂ CO ₃)	No Data Available	584-08-7	70 – 80 %
Water (H ₂ O)	No Data Available	7732-18-5	BALANCE %

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4. FIRST AID MEASURES

Inhalation: If breathed in, move person into fresh air. If breathing is difficult, give oxygen (can only be given by a qualified person). Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Give a glass of water. Do not induce vomiting unless directed to do so. Consult a physician.

Skin Contact: Take off contaminated clothing. Rinse skin off immediately with plenty water for 15 to 20 minutes. Seek medical advice if irritation persists.



Eye: Rinse with plenty of clean water for 15 minutes, seek Medical Advise



First Aid Facilities: Eyewash, Shower 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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5. FIRE FIGHTING MEASURES

Hazards from Combustion: Non-combustible material.

Specific Hazards: This product is non-combustible.

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Precautions in connection with Fire:

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Dike area to prevent runoff and contamination of water sources. Suitable for most extinguishing media.

If there is evidence of product decomposition, atmospheric tests should be run for carbon dioxide and oxygen content. Excessive quantities of carbon dioxide can cause suffocation of personnel in the immediate area. The product itself does not burn.

Hazchem Code: Not Regulated

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Follow preplanned emergency procedures. Only properly equipped, trained, functional personnel should attempt to contain a leak. All other personnel should be evacuated from the danger area. Pick up and arrange disposal without creating dust. Sweep up and shovel to suitable, closed containers for disposal. Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Avoid discharge into drains, water courses or onto the ground. Contact local authorities in case of spillage to drain/ aquatic environment.

Other Information: Large spills may be reportable to the state and/or local regulatory agencies.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Use only in a well ventilated area.
Keep containers sealed when not in use.
Prevent the build-up of mists or vapours in the work atmosphere.
Avoid inhalation of vapours and mists, and skin, eye or clothing contact.
Remove clothing if product gets inside, then wash thoroughly and out on clean clothing.
Remove Personal Protective Equipment (PPE) Immediately after handling this product, was outside of gloves and as soon as possible was thoroughly and change into clean clothing.
Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, and smoking or using toilet facilities.

Conditions for Safe Storage:

Store in a cool, dry, well-ventilated area, out of direct sunlight and reach of children. Store in original, labelled containers. Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national regulations. Store away from combustible materials, herbicides and fungicides. Do not use or store near open flame. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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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.

Eye Protection:



Chemical goggles should be worn with Face Shield. An emergency eyewash or water supply should be readily accessible to the work area.
Final choice of appropriate eye/face protection will vary according to individual circumstances.
Eye protection devices should conform to Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection:



Wear gloves of impervious material

Body Protection: To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemical resistant gloves. And emergency shower or water supply should be readily accessible to the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear
Odour:	Nil
Melting Point:	N/A
Boiling Point:	N/A
Solubility in Water:	100%
Specific Gravity:	1.48-1.52
pH Value	13.0-13.5
Vapour Pressure:	N/A
Vapour Density (Air=1):	N/A
Colour:	Nil
Flash Point:	N/A
Flammability:	Not flammable
Auto-Ignition Temperature:	N/A
Flammable Limits Lower:	N/A
Flammable Limits Upper:	N/A

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

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

Conditions to Avoid: Excessive heat or contact with acids.

Incompatible Materials: Acids, alkaline metals and excessive heat.

Hazardous decomposition Products: Carbon dioxide is generated when reacted with acids. Large quantities of CO₂ in an enclosed area will result in lack of oxygen and may cause suffocation of personnel.

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

Product Species Test Results: Rat - Oral LC₅₀: 1870 mg/kg

12. ECOLOGICAL INFORMATION

Toxicity:

Aquatic Toxicity: Rainbow trout LC₅₀ = 68 mg/L 96 hours; Bluegill sunfish LC₅₀ = 230 mg/L 96 hours
Invertebrate Toxicity: Daphnia magna EC₅₀ (hard water) = 430 mg/L 48 hours; Daphnia pulex EC₅₀ (soft water) = 200 mg/L 48 hours

Persistence & degradability: Data not available

Bio accumulative potential: Data not available

Mobility in soil: Data not available

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Environmental Fate: Slightly Hazardous for water.

Environmental Impact: May increase pH of waterways and adversely affect aquatic life.

13. DISPOSAL CONSIDERATIONS

Dilute with water, neutralize with a dilute acid solution, and then flush to sewer if local regulations allow. If not allowed, save for recovery or recycling in an approved waste disposal facility. Always dispose of in accordance with local, state and federal regulations.

14. TRANSPORTATION INFORMATION

Labelling: Corrosive

UN Number UN 1760

Proper Shipping Name: Corrosive liquid, n.o.s (Potassium Carbonate Liquid) Hazard

Class: 8

Packing Group: II

Reportable Quantity: N/A

15. REGULATORY INFORMATION

Poisons Schedule: 5

16. OTHER INFORMATION

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