

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Hi-CKS  
**Product Type:** Liquid Suspension  
**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:** 06<sup>th</sup> December 2023

### 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Non- Hazardous Substance - according to the criteria of GHS classification.  
 Non-Dangerous Goods - According to the Australia Dangerous Goods Code.

**Label Elements:**



**Signal Word:** Warning

**Hazard Statement(s):** H320 – Causes eye irritation.

**Prevention Statements**  
 P264 – wash thoroughly after handling  
 P280 – Wear protective gloves/protective clothing/eye protection/face protection

**Response Statement(s):** P305 + P351+ P337 + P338 – if in eyes, rinse cautiously with water, for several minutes, remove contact lenses if present and easy to do, continue rinsing.

**Storage Statement(s):** P403 + P233 – Store in a well-ventilated place, keep container closed.

### 3. INFORMATION ON INGREDIENTS

This is a proprietary fertilizer formulation and all ingredients as formulated are determined not to be hazardous according to the criteria of Work safe Australia.

### 4. FIRST AID MEASURES

**Ingestion:** Rinse mouth with plenty of water. Seek medical attention if you feel unwell.

**Skin Contact:** Wash with soap and water. Seek medical advice if irritation persists.

**Eye:** Rinse with plenty of clean water, remove contact lenses, if present. Seek medical attention if irritation persists.

**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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### 5. FIRE FIGHTING MEASURES

<b>Hazards from Combustion:</b>	Non-combustible material.
<b>Specific Hazards:</b>	This product is non-combustible.
<b>Precautions in connection with Fire:</b>	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) 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.
<b>Hazchem Code:</b>	Not Regulated

### 6. ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures:</b>	Wear appropriate personal protective equipment and clothing to minimise exposure. If possible, contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs, inform the local water and waste management authorities in accordance with local regulations.
<b>Other Information:</b>	Large spills may be reportable to the state and/or local regulatory agencies.

### 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling:</b>	Use only in a well-ventilated area. Keep containers sealed when not in use. Avoid contamination with skin, eyes. Wash hands after handling product.
<b>Conditions for Safe Storage:</b>	Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in original, labelled containers. Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national regulations. Do not use or store near open flame.

### 8. EXPOSURE CONTROLS /PERSONAL PROTECTION

<b>National Exposure Standards:</b>	No exposure value assigned for this specific material
<b>Biological Limit Values:</b>	No biological limits allocated.
<b>Engineering Controls:</b>	Use with good general ventilation or with respiratory protection.
<b>PPE:</b>	
<b>Eye Protection:</b>	Safety glasses with side shields should be worn.
<b>Hand Protection:</b>	Wear gloves of impervious material
<b>Body Protection:</b>	Wear chemical resistant coveralls.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice



### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Cream - White Suspension	<b>Melting Point:</b>	N/A
<b>Odour:</b>	Odourless	<b>Boiling Point:</b>	>110° C
<b>Specific Gravity:</b>	1.25- 1.38	<b>Flash Point:</b>	N/A
<b>pH Value</b>	7.5 - 8.6	<b>Flammability:</b>	Not flammable
<b>Solubility in Water:</b>	Completely dispersible	<b>Auto-Ignition Temperature:</b>	N/A
<b>Vapour Pressure:</b>	N/A	<b>Flammable Limits Lower:</b>	N/A
<b>Vapour Density (Air=1):</b>	N/A	<b>Flammable Limits Upper:</b>	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

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Stable under normal conditions of storage and handling.

<b>Conditions to Avoid:</b>	Direct sunlight.
<b>Incompatible Materials:</b>	No data available
<b>Hazardous decomposition Products:</b>	Hazardous polymerisation does not occur.

### 11. TOXICOLOGICAL INFORMATION

<b>Acute Oral Toxicity:</b>	Data not available
<b>Ingestion:</b>	Data not available
<b>Skin</b>	Data not available
<b>Serious Eye:</b>	Data not available
<b>Respiratory or skin irritation:</b>	Data not available
<b>Germ Cell Mutagenicity:</b>	Data not available
<b>Carcinogenicity</b>	Data not available
<b>Reproductive Toxicity:</b>	Data not available
<b>STOT – single exposure</b>	Data not available
<b>STOT- repeated exposure:</b>	Data not available

### 12. ECOLOGICAL INFORMATION

<b>Toxicity:</b>	LC50 Fish 96h: >10 000mg/l LC50 Daphnia 49 h: >1000 mg/l LC50 Algae 72 h: >200mg/l
<b>Persistence &amp; degradability:</b>	Not readily degradable.
<b>Bio accumulative potential:</b>	No data available
<b>Mobility in soil:</b>	Low soil mobility

### 13. DISPOSAL CONSIDERATIONS

Dispose of in appropriately licence general landfill site in accordance with local, state, and federal regulations. Waste should be labelled. Special arrangements made to bury bulk waste upon dumping, limiting exposure.

### 14. TRANSPORTATION INFORMATION

The product is a not considered a dangerous good and not subject to the provisions of ADR (road), RID (railway), IMDG (sea) or IATA (airplane).

### 15. REGULATORY INFORMATION

**Poisons Schedule:** Not a scheduled poison (standard for the uniform scheduling of drugs and poisons NO. 22)

### 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	cm <sup>2</sup>	Square Centimetres
CO <sub>2</sub>	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 Safety Commission	OECD	Organisation for Economic Co-operation & Devel.
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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