



AG~NUTRI

# Safety Data Sheet

CR K-SUL

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**REVISION DATE:** 01 August 2018

**PRODUCT NAME:** CR K-SUL

**SUPPLIER:** SJB AG-NUTRI PTY LTD

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**SYNONYM(S):**

**USE(S):** Soil fertilizer.

## SECTION 2 – HAZARDS IDENTIFICATION

### Statement of Hazardous Nature

This product is classified as: HAZARDOUS according to the criteria of SWA.

Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

**Hazard Statements:** H315 Causes skin irritation, H319 Causes serious eye irritation

**Hazard Categories:** Eye Irritation - cat 2, Skin irritation - cat 2

**SUSMP Classification:** Mixture, no data.

**ADG Classification:** None allocated for mixture or individual components. Not a Dangerous Good under the ADG Code.

**UN Number:** None allocated

**GHS Signal word:** Warning



### PREVENTION

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

### RESPONSE

P301+P330+P331: IF SWALLOWED: Rinse mouth with water. Give plenty of water to drink provided victim is conscious. Do NOT induce vomiting. Seek medical attention immediately.

P305+P337+P352: IF IN EYES: Wash with plenty of water for at least 15 minutes while holding eyelids open. Seek medical attention immediately.

P332+P313: If skin irritation occurs: Get medical advice/attention.

### STORAGE

P404: Store in a closed container.

### DISPOSAL

P501: Dispose of contents/containers in accordance with local/regional/national/international regulation.

### Emergency Overview:

**Physical Description & Colour:** Dark/black liquid.

**Odour:** Woody odour.

**Major Health Hazards:** No data available.

### Potential Health Effects

#### Inhalation:

**Short Term Exposure:** No Available data. Product is non-volatile so inhalation is not likely to occur. No adverse health effects expected.

**Long Term Exposure:** No data for health effects associated with long term inhalation.

**Skin Contact:**

**Short Term Exposure:** No Available data for this mixture, however it is likely to cause mild skin irritation & discomfort.

**Long Term Exposure:** No data for health effects associated with long term skin exposure.

**Eye Contact:**

**Short Term Exposure:** This product is likely to cause serious eye irritation.

**Long Term Exposure:** No data for health effects associated with long term eye exposure.

**Ingestion:**

**Short Term Exposure:** Significant oral exposure is considered to be unlikely. However may cause vomiting, irritation to mucous membranes, diarrhea & abdominal pain.

**Long Term Exposure:** No data for health effects associated with long term ingestion of this product.

**Carcinogen Status:**

**SWA:** No significant ingredient is classified as carcinogenic by SWA.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

## SECTION 3 – COMPOSITION, INFORMATION ON INGREDIENTS

| INGREDIENT                        | CONC.     | CAS NO:    |
|-----------------------------------|-----------|------------|
| Potassium carbonate               | 1-10%     | 584-08-7   |
| Potassium chloride                | 1-10%     | 7447-40-7  |
| Potassium thiosulphate            | >60%      | 10294-66-3 |
| Other ingredients – non hazardous | 10-30%    |            |
| Water                             | Remainder | 7732-18-5  |

## SECTION 4 – FIRST AID MEASURES

### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

**Skin Contact:** Flush affected area with water. If pain and/or irritation persists, get medical attention.

**Eye Contact:** Flush eyes immediately with water. Seek medical attention immediately.

**Ingestion:** If swallowed, rinse mouth with water & give several glasses of water to drink. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Get medical attention.

## SECTION 5 – FIRE FIGHTING MEASURES

**Fire and Explosion Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Fire decomposition products from this product are not expected to be hazardous or harmful.

**Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.

**Flash point:** Non-flammable.

**Upper Flammability Limit:** Non-flammable.

**Lower Flammability Limit:** Non-flammable.

**Auto-ignition temperature:** Not applicable.

**Flammability Class:** Not applicable.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Accidental release:** Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that vapours or mists are likely to build up in the clean-up area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8). Otherwise, not normally necessary.

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. Refer to product label for specific instructions. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains or public water, advise emergency services &/or local government authorities. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this SDS and the label, instructions on the label prevail. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

## SECTION 7 – STORAGE AND HANDLING

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Storage:** Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas. Store in cool, dry, well ventilated area, out of reach of children, removed from oxidising agents, direct sunlight, heat sources and food stuff. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment:  
Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Exposure limits have not been established by SWA for any of the significant ingredients in this product. No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.

**Eye Protection:** Eye protection such as protective glasses or goggles is recommended when this product is being used.

**Skin Protection:** You should avoid contact even with mild skin irritants. Therefore you should wear suitable chemical resistant gloves and facial protection when handling this product. See below for suitable material types. Do not wear clothes or shoes that reveal bare skin.

**Protective Material Types:** We suggest that protective clothing be made from the following: rubber, PVC.

**Respirator:** Not necessary when using this product under normal conditions.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

|                          |                   |                                  |                    |
|--------------------------|-------------------|----------------------------------|--------------------|
| <b>APPEARANCE:</b>       | Dark/black Liquid | <b>SOLUBILITY (WATER):</b>       | Soluble            |
| <b>ODOUR:</b>            | Woody             | <b>SPECIFIC GRAVITY:</b>         | 1.40 (water = 1)   |
| <b>pH:</b>               | 11.0              | <b>VISCOSITY:</b>                | Similar to water   |
| <b>VAPOUR PRESSURE:</b>  |                   | <b>FLAMMABILITY:</b>             | Not Flammable      |
| <b>VAPOUR DENSITY:</b>   |                   | <b>FLASH POINT:</b>              | Not Relevant       |
| <b>FREEZING POINT:</b>   | < 0°C             | <b>UPPER EXPLOSION LIMIT:</b>    | Not Relevant       |
| <b>BOILING POINT:</b>    | >100°C            | <b>LOWER EXPLOSION LIMIT:</b>    | Not Relevant       |
| <b>EVAPORATION RATE:</b> | No data           | <b>AUTOIGNITION TEMPERATURE:</b> | NA – Does not burn |

## SECTION 10 – STABILITY AND REACTIVITY

**Reactivity:**

**Stability:** This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** See Section 7.

**Incompatibilities:** Avoid oxidizing agents and strongly acid solutions.

**Decomposition Products:** May toxic gases.

**Polymerisation:** This product will not undergo polymerisation reactions.

## SECTION 11 – TOXICOLOGICAL INFORMATION

This product will only present a hazard with direct eye contact, prolonged and repeated skin contact or with vapour inhalation at high levels. No chronic or adverse health effects are expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Eye:** Likely to cause serious eye Irritation.

**Inhalation:** Inhalation hazard is not anticipated unless heated or sprayed. Low irritant.

**Skin:** Contact may result in mild to severe irritation.

**Ingestion:** Low toxicity. Ingestion may result in diarrhoea, vomiting and cramps. Irritation to mouth and throat may result.

**Toxicity data:**

| Chemical name          | Oral LD50        | Dermal LD50 | Inhalation LC50 |
|------------------------|------------------|-------------|-----------------|
| Potassium carbonate    | 2000 mg/kg (rat) | No data     | No data         |
| Potassium thiosulphate | No data          | No data     | No data         |
| Potassium chloride     | 3020 mg/kg (rat) | No data     | No data         |

## SECTION 12 – ECOLOGICAL INFORMATION

**Environmental impact:** No data available. This product is unlikely to cause any significant environmental damage if released in small quantities. Ensure appropriate measures are taken to prevent this product from entering the environment.

**Ecotoxicity:** This material is not expected to be toxic to aquatic life. DO NOT CONTAMINATE WATERWAYS.

**Persistence and degradability:** No specific data on this product.

**Bioaccumulation Potential:** No specific data on this product.

**Mobility:** No specific data on this product. Soluble in water.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Disposal:** Triple rinse with clean water and reuse or recycle clean containers where possible. Refer to local government authority for disposal recommendations. Dispose of material through a licensed waste contractor. Normally suitable for disposal at approved land waste site.

## SECTION 14 – TRANSPORT INFORMATION

This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

## SECTION 15 – REGULATORY INFORMATION

**SUSMP:** Mixture, not classified by SUSMP.

**AICS:** All chemicals are listed on the Australian Inventory of Chemical Substances (AICS).

**SWA:** Not considered hazardous according to Safe Work Australia.

**ADG Classification:** None allocated. Not a Dangerous Good under the ADG Code.

## SECTION 16 – ADDITIONAL INFORMATION

### Acronyms:

**ADG Code** Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)

**AICS** Australian Inventory of Chemical Substances

**SWA** Safe Work Australia, formerly ASCC and NOHSC

**CAS number** Chemical Abstracts Service Registry Number

**Hazchem Code** Emergency action code of numbers and letters that provide information to emergency services especially firefighters

**IARC** International Agency for Research on Cancer

**IATA** International Air Transport Association

**IMDG** International Maritime Dangerous Goods

**NOS** Not otherwise specified

**NTP** National Toxicology Program (USA)

**R-Phrase** Risk Phrase

**SUSMP** Standard for the Uniform Scheduling of Medicines & Poisons

**UN Number** United Nations Number

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**POISONS INFORMATION CENTRE: 13 11 26**

**SDS Date: 01 August 2018**  
**This SDS version will be valid until 01 August 2023**

**END OF REPORT**