



SAFETY DATA SHEET (SDS)

(In accordance with GHS ST/SG/AC.10/30/Rev.7 and SANS ISO 110141)

CRADOCK SAAD GRAANMENGSEL

Issue Date	08/2019
Revision Date	2024
SDS Nr.	LUT/CSG020

Section – 1 PRODUCT AND COMPANY IDENTIFICATION

Product name : Cradock Saad Graanmengsel
Product Code : K 8387
Recommended use : Carbo Chelated Liquid Foliar Feed for Maize Crops
Supplier : Metson Manufacturing CC
PO Box 1005
Cresta, 2118
Emergency Telephone Number : 0861 Metson (638 766)

Section 2 - HAZARDS IDENTIFICATION

Hazard Class	Hazard Category	Hazard Statement	Hazard Code	Signal Word
Skin corrosion/irritation	2	Causes skin irritation	H315	Warning
Serious eye damage/eye irritation	1	Causes serious eye damage	H318	Danger
Reproductive toxicity	1A, 1B	May damage fertility; May damage the unborn child	H360FD	Danger
Hazardous to the aquatic environment, acute hazard	1	Very toxic to aquatic life	H400	Warning
Hazardous to the aquatic environment, long-term hazard	1	Very toxic to aquatic life with long lasting effects	H410	Warning

Section 3 – COMPOSITION / INFORMATION ON COMPONENTS

Substance / preparation : Preparation
Chemical nature : A solution in water
Hazardous components: -

Chemical Name	CAS No.	Concentration
Nitrogen	7727-37-9	5-10%
Phosphorous	13598-36-2	1-5%
Potassium	7440-09-7	1-5%
Zinc	7440-66-6	1-5%
Boric Acid	10043-35-3	0-1%
Molybdenum	7439-98-7	0-1%
Magnesium	7439-95-4	0-1%
Non disclosed ingredients		72-92%

Ingredients not identified are confidential or non-hazardous. Values on SDS are not product specifications.



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Section 4 - FIRST AID MEASURES

- Eye Contact** : Wash with copious amount of water for about 15 minutes. Hold eyelids open during flushing. If irritation persists, repeat rinse. Seek medical advice immediately.
- Skin Contact** : Remove all contaminated clothing while flushing the contaminated skin immediately with running water for a minimum of 15 minutes. If irritation persists, repeat rinse. Seek medical advice if required.
- Ingestion** : Seek immediate medical attention. Give ½ to one full glass of water to rinse the mouth with. Do not induce vomiting, unless under direction of a physician or a poison control centre expert. If spontaneous vomiting occurs, have the victim lean forward with the head down to avoid breathing in of vomit, rinse mouth and administer water. Transport the victim immediately to an emergency facility.
- Inhalation** : Move away from the vapors and into an area with adequate ventilation.
- Note to Physician** : None

Section 5 - FIRE FIGHTING MEASURES

- Suitable extinguishing media** : For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires use foam or water-fog; avoid using water jet. Contain run-off with barriers, e.g. earth
- Special protective equipment** : Wear full protective clothing and NIOSH-approved self-contained breathing apparatus. Fire might produce irritating or poisonous vapours, mists or other combustion products.
- Specific hazards** : Flammable. Keep fire exposed containers cool by spraying with water. Container could explode when heated.

Section 6 - ACCIDENTAL RELEASE MEASURES

- Personal Precautions** : Avoid contact with eyes. Ventilate area of spill or leak.
- Environmental precautions** : Avoid run-off of material into water courses.
- Methods for cleaning up** : Small quantities – Collect spill and containerize.
Wash spill area with water.
Large quantities – Dispose waste according to the local regulations.

Section 7 - HANDLING AND STORAGE

- Safe handling advice** : Prevent skin or eye contact. Avoid getting the product on you or in you. Wash hands after handling. Do not eat or drink while handling the product.
- Storage conditions** : Do not store with food, feed or other materials for human or animal consumption. Keep container tightly closed. Store below 37°C.



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Section 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure limits	: None
Personal protection equipment	
Eye protection	: Eye contact with the material should be avoided. Safety glasses, goggles or face shields required. Maintain eye wash fountain and quick drench facilities in work areas.
Skin and body protection	: Gloves and protective clothing made from Viton or PVC should be used. Verify impermeability under normal usage conditions.
Inhalation	: Respirator Mask or NIOSH approved air purifying mask – required under normal conditions
Protective measures	: Required under normal conditions. If eye or skin contact can occur washing facility for eyes and skin must be available nearby.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Liquid
Colour	: Dark Brown liquid
Odour	: Not disclosed
Initial boiling point	: 212°F (100°C)
Flash point	: N/A
pH	: 6.5
Specific gravity	: 1.25 (20°C)
Water solubility	: Completely soluble

Section 10 – STABILITY AND REACTIVITY

Conditions to avoid	: None
Materials to avoid	: Avoid contact with Lime Sulphur and Bordeaux mixture.
Hazardous decomposition products	: Not known.
Hazardous polymerization	: Will not occur.



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Section 11 - TOXICOLOGICAL INFORMATION

LD50 Acute oral

Eye irritant

Arsenic pentoxide	: Refer to risk statement in section 15
Chromium trioxide	: Refer to risk statement in section 15
Cupric oxide	: Refer to risk statement in section 15

Skin irritant

Arsenic pentoxide	: Refer to risk statement in section 15
Chromium trioxide	: Refer to risk statement in section 15
Cupric oxide	: Refer to risk statement in section 15

Carcinogen

Arsenic pentoxide	: Refer to risk statement in section 15
Chromium trioxide	: Refer to risk statement in section 15
Cupric oxide	: Refer to risk statement in section 15

Acute exposure symptoms

Arsenic pentoxide	: Refer to risk statement in section 15
Chromium trioxide	: Refer to risk statement in section 15
Cupric oxide	: Refer to risk statement in section 15

Section 12 - ECOLOGICAL INFORMATION

Persistence / degradability

Arsenic pentoxide	: Refer to risk statement in section 15
Chromium trioxide	: Refer to risk statement in section 15
Cupric oxide	: Refer to risk statement in section 15

Ecotoxicity

Arsenic pentoxide	: Refer to risk statement in section 15
Chromium trioxide	: Refer to risk statement in section 15
Cupric oxide	: Refer to risk statement in section 15

Section 13 – DISPOSAL CONSIDERATIONS

Product : Dispose according to the local regulations.

Containers : Dispose according to the local regulations.

Contaminated packaging : Dispose according to the local regulations.

Section 14 – TRANSPORT INFORMATION

Non - Dangerous



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Label elements

GHS (Pictogram)	GHS (Classification)	Protective Clothing
	<p>H315 – Causes skin irritation H318 – Causes serious eye damage H360FD – May damage fertility; May damage the unborn child H400 – Very toxic to aquatic life H410 – Very toxic to aquatic life with long lasting effects</p>	