Optima Agriculture Pty Ltd
ABN 210 995 436 65
43 Hector Street
Osborne Park WA 6916
(08) 9445 1819

Material Safety Data Sheet

1. IDENTIFICATION

Product Name:	CalSap
Other Names:	None Allocated
UN No.:	None Allocated
Dangerous Goods Class:	N/A
Subsidiary Risk:	None Allocated
Hazchem Code:	N/A
Pack Group:	0
EPG:	N/A
Poisons Schedule:	N/A

2. PHYSICAL DESCRIPTION / PROPERTIES

Appearance:	Dark brown viscous liquid with sweet ammonia smell
Product Description:	**CalSap** is a high soluble calcium product for use in agriculture as a plant foliar and soil conditioner
Ingredients:	Not available
Chemical composition:	Not available

COMPONENTS	**PROPORTION**
Calcium Carboxylate	30 – 60%
Other ingredients determined not to be hazardous	>60%

Boiling Point:	N/A	**Specific Gravity:**	1.25 – 1.35
Melting Point:	N/A	**Sublimation Point:**	N/A
Decomposition Point:	N/A	**Flash Point:**	N/A
Vapour Pressure:	N/A	**Flammability limits:**	N/A
Viscosity:	N/A	**Auto ignition Temp:**	NAV
pH:	12.5 – 13.0	**Upper Explosion Limit:**	NAV
Percentage Solids:	NAV	**Solubility in water**	NAV

Other Properties:
Reacts with strong acids
NAV = Not Available N/A = Not Applicable

Stable solid with no known hazardous decomposition
Non Hazardous according to the criteria of Worksafe Australia

3. HAZARDS IDENTIFICATION

3.1 HEALTH HAZARD INFORMATION

Hazards Identification: Irritant, caustic reaction

Ingestion
Ingestion of this product may irritate the gastric tract. May cause diarrhea, nausea, vomiting and cramps if ingested.
Eye
This material maybe irritating to eyes. Eye protection necessary during application
Skin
Prolonged contact may cause irritation or allergic dermatitis
Inhaled
May cause irritation to respiratory system if mists or sprays inhaled

3.2 HEALTH EFECTS – CHRONIC

No information available.
No known significant health effects

3.3 FIRST AID

Ingested
Do not induce vomiting. Wash mouth and lips with copious amounts of water and give limited amounts of water and milk. **Do not** give anything by mouth to an unconscious person. Seek medical attention

Eye
Irrigate with copious quantities of water for 15 minutes. In all cases of eye contamination it is sensible to seek medical advice

Skin
Immediately wash skin with soap and copious amounts of water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice

Inhalation
Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult, have qualified person give oxygen through a face mask. Seek medical advice if effects persist

First Aid Facilities
Ensure eye bath and safety shower available and ready for use.

Advice to Doctor
Treat symptomatically and supportively.

4. PRECAUTIONS FOR USE

4.1 Exposure standards

Not established

4.2 Engineering measures

Avoid generating and inhaling fumes. Provide natural or mechanical ventilation to minimize exposure. Keep containers closed when not in use.

4.3 Personal Protection

Hand Protection: Wear rubber gloves
Eye Protection: Wear chemical safety goggles unless a full face respirator is worn
Skin Protection: Wear protective clothing with rubber boots.

4.4 Flammability

Not flammable under conditions for use

5. SAFE HANDLING INFORMATION

5.1 Storage/Transport

Keep containers closed at all times. Check regularly for spills. Avoid extreme temperatures. Handle in accordance with good industrial safety practices.
Store separate from acids, reactive metals and ammonium salts. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers.
Avoid storage and contact with strong acids.

5.2 Spills and Disposal

Spills
Clean up personal should wear full protective clothing including breathing equipment if fumes prevail. Cover with damp absorbent inert material (sand or soil). Collect and seal in properly labeled drums for disposal. Avoid contaminating waterways.

Disposal
Observe all federal, state and local environmental regulations. Refer to Department of Environment for guidelines.

5.3 Fire & Explosion Hazard

Fire/Explosion
Not considered to be a significant fire risk

Extinguishing Media
Water jets or water spray

6. OTHER INFORMATION

6.1 Contact Points

Organisation	Location	Telephone	Ask for
Optima Agriculture Pty Ltd	Osborne Park WA	08 9445 1819 0427 077 036	Managing Director Mr. Brendan Edwards
Poisons Information Centre	Perth	13 11 26	

7. COMPANY INFORMATION

Supplier: Optima Agriculture Pty Ltd
Address: 43 Hector Street Osborne Park W.A. 6916
Telephone: (08) 9445 1819
Facsimile: (08) 9244 2071
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End of MSDS