Safety Data Sheet
according to GHS version 7

Printing date 08.09.2022 *Version number 1* *Revision: 31.08.2022*

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1 Identification

· **Product identifier**

· **Trade name: Folical 19**

· **Article number:** DAUP0007
· **Relevant identified uses of the substance or mixture and uses advised against**
For use in agriculture for band placement or spreading
· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Company: Omnia Specialities Australia Pty Ltd
Address: Tramway Road
MORWELL VIC 3840
Telephone Number: +61-3 5133 9118
Facsimile Number: +61-3 5133 9114

· **Further information obtainable from:** info@omnia.net.au
· **Emergency telephone number:**
ISS First Response
+61 3 8796 3688

2 Hazard(s) Identification

· **Classification of the substance or mixture**

Eye Irritation 2A H319 Causes serious eye irritation.

· **Label elements**
· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
· **Hazard pictograms**

GHS07

· **Signal word** Warning
· **Hazard statements**
H319 Causes serious eye irritation.
· **Precautionary statements**
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read carefully and follow all instructions.
Wash thoroughly after handling.
Wear eye protection / face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

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· ***Other hazards***
· ***Results of PBT and vPvB assessment***
· ***PBT:*** *Not applicable.*
· ***vPvB:*** *Not applicable.*

*
3 Composition and Information on Ingredients

· ***Chemical characterisation: Mixtures***
· ***Description:*** *Mixture of substances listed below with nonhazardous additions.*

· **Dangerous components:**		
CAS: 10035-04-8 EC number: 640-414-4	Calcium chloride, dihydrate Eye Irritation 2A, H319	50-100%
CAS: 7647-01-0 EINECS: 231-595-7	Hydrochloric acid 32% Acute Tox. 3, H301 Skin Corr. 1B, H314; Eye Dam. 1, H318 STOT SE 3, H335 Acute Tox. 5, H333	≤2.5%

· ***Additional information:*** *For the wording of the listed hazard phrases refer to section 16.*
· ***Other hazards that do not result in classification*** *None*

*
4 First Aid Measures

· ***Description of first aid measures***
· ***General information:***
Do not leave affected persons unattended.
Show this safety data sheet to the doctor in attendance
· ***After inhalation:***
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
· ***After skin contact:*** *Wash off with soap and plenty of water. Wash contaminated clothing before reuse*
· ***After eye contact:***
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
· ***After swallowing:*** *Rinse out mouth and then drink plenty of water. If symptoms persist, call doctor.*
· ***Information for doctor:***
Treat supportive and symptomatically
Check for hypercalcemia
Contains Calcium and chlorides
· ***Indication of any immediate medical attention and special treatment needed***
No further relevant information available.

*
5 Fire Fighting Measures

· ***Extinguishing media***
· ***Suitable extinguishing agents:***
Use fire extinguishing methods suitable to surrounding conditions. Water spray jet, foam. Dry fire-extinguishing substance.
· ***Special hazards arising from the substance or mixture***
If liquid boils dry, salts in fire will produce harmful gasses.
Metal oxide fumes
Hydrogen chloride (HCl)

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· ***Advice for firefighters*** *Material not combustable*
· ***Protective equipment:*** *Use breathing apparatus with independent air supply*

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6 Accidental Release Measures

· ***Personal precautions, protective equipment and emergency procedures***
Wear protective gear. Do not inhale the material or its combustion products. Go against the wind and keep out of low areas. Evacuate personnel to safe area. Ensure adequate ventilation.
· ***Environmental precautions:*** *Do not allow product to reach sewage system or any water course.*
· ***Methods and material for containment and cleaning up:***
Prevent further spreading by damming-in.
Collect the product mechanically (vacuum or pump). Deposit in recipient for recuperation.
Uncontaminated spilled material may be reused
Dispose contaminated material as waste according to item 13.
· ***Reference to other sections***
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

*
7 Handling and Storage

· ***Handling:***
· ***Precautions for safe handling*** *Wear protective clothes and gloves and use eye protection when handling.*
· ***Information about fire - and explosion protection:***
Keep respiratory protective device available.
Protect from heat.

· ***Conditions for safe storage, including any incompatibilities***
· ***Storage:***
· ***Requirements to be met by storerooms and receptacles:***
Observe the rules usually applicable when handling chemicals.
· ***Information about storage in one common storage facility:***
Dry and tightly closed
Store away from foodstuffs.
If not sealed, acid fumes will attack metal
· ***Further information about storage conditions:*** *None*
· ***Specific end use(s)*** *Agricultural*

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8 Exposure controls and personal protection

· ***Additional information about design of technical facilities:***
Ensure eyewash stations and safety showers are close to the workstation location.
Ensure adequate ventilation.
Avoid exposure to vapours.

· ***Control parameters***
· ***Ingredients with limit values that require monitoring at the workplace:***
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
· ***Additional information:*** *The lists valid during the making were used as basis.*

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· ***Exposure controls***
· ***Personal protective equipment:***
· ***General protective and hygienic measures:***
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or sniff while working.
Do not inhale gases / fumes / aerosols.
Keep away from foodstuffs, beverages and feed.
Keep out of reach of children
Wash hands before breaks and at the end of work.
· ***Protection of hands:***
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· ***Material of gloves***
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· ***Penetration time of glove material***
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· ***Eye protection:*** *Safety glasses.*
· ***Body protection:*** *Protective work clothing*

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9 Physical and Chemical Properties

· ***Information on basic physical and chemical properties***	
· ***General Information***	
· ***Appearance:***	
Form:	*Liquid*
Colour:	*Light yellow*
· ***Odour:***	*Odourless*
· ***Odour threshold:***	*Not determined.*
· ***pH-value at 20 °C:***	*2.5*
· ***Change in condition***	
Melting point/freezing point:	*Undetermined.*
Initial boiling point and boiling range:	*>100 °C*
· ***Flash point:***	*Not applicable.*
· ***Flammability (solid, gas):***	*Not applicable.*
· ***Decomposition temperature:***	*Not determined.*
· ***Auto-ignition temperature:***	*Product is not selfigniting.*
· ***Explosive properties:***	*Product does not present an explosion hazard.*
· ***Explosion limits:***	
Lower:	*Not determined.*
Upper:	*Not determined.*
· ***Vapour pressure at 20 °C:***	*23 hPa*
· ***Density at 20 °C:***	*1.35 g/cm³*
· ***Relative density***	*Not determined.*
· ***Vapour density***	*Not determined.*

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· **Evaporation rate**	Not determined.
· **Solubility in / Miscibility with water:**	Fully miscible.
· **Partition coefficient: n-octanol/water:**	Not determined.
· **Viscosity:**	
Dynamic:	Not determined.
Kinematic:	Not determined.
· **Solvent content:**	
Water:	48.6 %
VOC (EC)	0.00 %
· **Other information**	No further relevant information available.

*
10 Stability and Reactivity

· **Reactivity** Stable under normal conditions
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Incompatible materials:** No further relevant information available.

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11 Toxicological Information

· **Information on toxicological effects**
· **Acute toxicity**

· **LD/LC50 values relevant for classification:**		
10035-04-8 Calcium chloride, dihydrate		
Oral	LD50	507 mg/kg (rabbit)
Dermal	LD50	2,630 mg/kg (rat)
		>5,000 mg/kg (rabbit)
	LD50 Intraperitoneal	25 mg/kg bw (rat)
	LD50 subcutaneous	867 mg/kg bw (mouse)

· **Primary irritant effect:**
· **Serious eye damage/irritation**
Strong eye irritant

10035-04-8 Calcium chloride, dihydrate		
Irritation of eyes	Eye Irritation	0.5 (rabbit)

· **Respiratory or skin sensitisation** No sensitising effects known.
· **Additional toxicological information:**
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)** None

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12 Ecological Information

· **Toxicity**

· **Aquatic toxicity:**	
10035-04-8 Calcium chloride, dihydrate	
EC50 24 h (static)	573 mg/l (Daphnia magnus)
LC50 24 hours (static)	2,680 mg/L (Daphnia magnus)
	8,350 mg/L (Lepomis macrochirus (bluegill))
	6,660 mg/L (Pimephales promelas (Fathead Minnow))
LC50 96 hours (static)	4,630 mg/L (Pimephales promelas (Fathead Minnow))

· **Persistence and degradability** No further relevant information available.
· **Behaviour in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** Soluble in water
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.

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13 Disposal considerations

· **Waste treatment methods**
· **Recommendation**
Disposal according to local/ official/ national regulations.
If uncontaminated, recycle to process.
Must not be disposed of with household garbage and must not be allowed to reach sewage system.

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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14 Transport information

· **UN-Number**	
· **ADG, IMDG, IATA**	Void
· **UN proper shipping name**	
· **ADG, IMDG, IATA**	Void
· **Transport hazard class(es)**	
· **ADG, ADN, IMDG, IATA**	
· **Class**	Void
· **Packing group**	
· **ADG, IMDG, IATA**	Void

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· **Environmental hazards:**	Not applicable.
· **Special precautions for user**	Not applicable.
· **ERG No.**	None
· **Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
· **UN "Model Regulation":**	Void

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Australian Inventory of Industrial Chemicals**

All ingredients are listed.

· **Standard for the Uniform Scheduling of Medicines and Poisons**

7647-01-0	Hydrochloric acid 32%	S5, S6

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
· **Hazard pictograms**

GHS07

· **Signal word** Warning
· **Hazard statements**
H319 Causes serious eye irritation.
· **Precautionary statements**
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read carefully and follow all instructions.
Wash thoroughly after handling.
Wear eye protection / face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H301 Toxic if swallowed.
H314 Causes severe skin burns and eye damage.

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H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H333 May be harmful if inhaled.
H335 May cause respiratory irritation.

· ***Contact:***

· ***Abbreviations and acronyms:***

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 5: Acute toxicity – Category 5
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· **** Data compared to the previous version altered.***