



1. IDENTIFICATION

Product Names	Plasticiser
Other Names	None Allocated
Company Name	Sunrise Hardware & Garden Products (ABN 51 225 123 880)
Company Address	Unit 4/ 32-42 Mirage Road Direk S.A. 5013
Company Phone	(08) 347 4999
Recommended Use	Mortar plasticiser - air entraining agent which improves workability of cement-based mortars
Other Information	This MSDS summarises to the best of our knowledge the health and safety hazard information of the product and how to safely handle and use the product in the workplace

2. HAZARDS IDENTIFICATION

Hazard Classification	Classified as non-hazardous according to the criteria of the Globally Harmonized System of Classification and Labelling of Chemicals (the GHS, 7 th Revised Edition) and the Work Health and Safety Legislation.
Signal Word	None
Hazard Classifications	None
Hazard Statements	None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Concentration range
Anionic surfactants in non-hazardous form	Not disclosed	< 10%
Water, plus minor ingredients also known to be non-hazardous	Not applicable	Balance to 100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or **Poisons Information Centre** (Phone Australia **131 126**, New Zealand 0800764 766).

Inhalation	In the event of inhalation of vapours, mist or aerosol of the product, remove from area and keep at patient at rest. Seek medical advice if symptoms persist
Ingestion	In the event of ingestion, wash mouth and lips with water DO NOT induce vomiting, give water to dilute stomach contents. Seek medical attention or contact Poisons Information Centre (13 11 26) if symptoms develop.
Skin contact	In the event of skin contact, wash material off skin. Immediately remove any clothing that has come into contact with the material, including footwear. Wash affected areas thoroughly with flowing water. Wash contaminated clothing before reuse. If any effects persist seek medical attention
Eye contact	In the event of eye contact, irrigate with copious amounts of water for at least 15 minutes. Seek medical attention if symptoms develop.
First Aid Facilities	Eye wash station, ready supply of tap water
Advice to Doctor	Treat symptomatically

5. FIRE FIGHTING MEASURES

HAZCHEM CODE:	None allocated
Suitable extinguishing media:	Water, or as for other chemicals present at the site of the fire
Specific Hazards	None.
Decomposition Products	This product is not considered to be combustible. In conditions of intense combustion, may emit oxides of carbon, nitrogen and sulphur.

Incompatible substances	None known
Protective clothing:	Self-contained breathing apparatus if risk of exposure to mist of the product or to products of combustion
Specific Hazards	None identified.
Protective clothing:	Self-contained breathing apparatus if risk of exposure to vapour or products of combustion
Advice to firefighters:	The product consists of anionic surfactants plus minor non-hazardous ingredients including amines. The product contains over 90% water. If extensive evaporation of the water has occurred then the residue may become combustible, with the possibility of oxides of carbon, nitrogen and sulphur forming.

6. ACCIDENTAL RELEASE MEASURES

Small Spills	Wear protective equipment to prevent skin and eye contamination. Collect and seal in properly labelled contains or drums for disposal.
Large Spills	Clear area of unprotected personnel. Wear protective equipment to prevent skin and eye contamination. Collect and seal in properly labelled contains or drums for disposal. The product should be prevented from entering waterways as its surfactant properties may lead to adverse effects in natural waterways.

7. HANDLING AND STORAGE

Handling	Avoid eye contact and skin contact.
Conditions for Safe Storage	Store in fully sealed containers, under cover and at temperatures no less than 5°C and no greater than 35°C. Do not allow to freeze. Use within 12 months

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National occupational exposure limits:

Exposure limit:	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Diethanolamine CAS No. 111-42-2	3	13	-	-	-

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: Ensure that ventilation is adequate to maintain air concentrations below Exposure Limits. If ammonia is being generated above the TWA stated above, use local exhaust ventilation.

Personal Protective Equipment (PPE):

Eye Protection	Wear safety glasses when handling the product
Skin Protection	Wear protective rubber or plastic gloves and avoid skin contact. Always wash hands before smoking, eating or drinking. Wash contaminated protective equipment before storing or before re-use. Wash clothing regularly.
Respiratory	If aerosol of the product is generated during usage, wear a Class P1 or P2 particulate respirator. Ensure that the respirator is clean and in good working order

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Appearance	Brown Liquid
Odour	Slight acidic odour
Melting Point	Not available
Boiling Point (rough)	100°C

Solubility in Water:	Soluble In all proportions
Specific Gravity:	1.03 – 1.05
pH	Range 6 to 9, typically 7
Flammability	Not Flammable

10. STABILITY AND REACTIVITY

Stability and Reactivity	This product is stable when stored under normal storage conditions. Store away from incompatible materials
Incompatible Materials	Strong oxidising agents.

11. TOXICOLOGICAL INFORMATION

No adverse health are effects 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:

Acute Effects:

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.

Skin contact: Prolonged contact with skin may result in irritation.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Eye contact: Eye contact may result in irritation.

Acute toxicity:

Inhalation: This material has been classified as non-hazardous with respect to acute toxicity by inhalation. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapours or LC50 > 5.0 mg/L for mist or LC50 > 20,000 ppm for gas.

Skin contact: This material has been classified as non-hazardous with respect to acute dermal toxicity. Acute toxicity estimate (based on ingredients): >2,000 mg/kg bw

Ingestion: This material has been classified as non-hazardous with respect to acute toxicity, oral. Acute toxicity estimate (based on ingredients): >2,000 mg/kg bw

Corrosion/Irritancy: This material has been classified as non-hazardous with respect skin irritancy.

Sensitisation: Inhalation: this material does not meet the criteria for classification as a respiratory sensitiser. Skin: this material does not meet the criteria for classification as a skin sensitiser.

Aspiration hazard: This material does not meet the criteria for classification as an aspiration hazard.

Specific target organ toxicity (single exposure): This material does not meet the classification criteria for specific target organ toxicity (single exposure).

Chronic Toxicity:

Mutagenicity: This material does not meet the classification criteria for mutagenicity.

Carcinogenicity: This material does not meet the classification criteria for carcinogenicity.

Reproductive toxicity (including via lactation): This material does not meet the classification criteria for reproductive toxicity.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways. The substance would be likely to act as a surfactant if allowed to escape into natural waterways, with possible adverse effects on aquatic ecosystems.

Acute aquatic hazard: This material has been classified as non-hazardous with respect to acute aquatic toxicity. Acute toxicity estimate (based on ingredients): LC₅₀ for fish (96 hr) > 100 mg/L and EC₅₀ for Daphnia (48 hr) > 100 mg/L.

Long-term aquatic hazard: This material has been classified as non-hazardous with respect to chronic aquatic toxicity. LogK_{ow} = 2 for main component of product and Acute Toxicity Estimate > 100 mg/L; biodegradability and bioconcentration factors not well known.

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible, material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with regional and national regulations.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

This material is not subject to the following international agreements:

- Montreal Protocol (Ozone depleting substances)
- The Stockholm Convention (Persistent Organic Pollutants)
- The Rotterdam Convention (Prior Informed Consent)
- International Convention for the Prevention of Pollution from Ships (MARPOL)
- Basel Convention (Hazardous Waste)

This material/constituent(s) is covered by the following requirement:

- All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Reason for issue: Revision of SDS

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Safety Data Sheets must be revised every five years, or when the reclassification of any component triggers the reclassification of the product.