

# SAFETY DATA SHEET



Product: Orange Grit

## SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name:	<b>ORANGE GRIT</b>		
SUPPLIER:	Construction Supply Specialists		
ADDRESS:	17 Lakeside Drive Broadmeadows VIC 3047		
TELEPHONE:	<b>+61 3 93574228</b>	FAX:	<b>+61 3 93574229</b>
AH EMERGENCY TELEPHONE:	13 1126 in Australia	ABN:	<b>67 100 073 087</b>
Substance:	Liquid	Product Use:	Hand Soap
Creation Date:	May 2023	Revision Date:	May 2028
Product Code:	3655005		

## SECTION 2 – HAZARDS IDENTIFICATION

<b>Classification of the substance or mixture</b>	
<ul style="list-style-type: none"><li>This product is classified as <b>HAZARDOUS</b> according to criteria of Safe Work Australia.</li><li>The product is <b>NOT a DANGEROUS GOOD</b> according to the Australian Dangerous Goods (ADG) Code.</li><li>The product is classified as <b>HAZARDOUS</b> according to GHS.</li></ul>	

<b>GHS - GLOBALLY HARMONISED SYSTEM</b>	
GHS Classification	Eye Irritation - Category 2
GHS Pictogram	
GHS Signal Word	<b>Warning</b>

<b>Hazard statement(s)</b>	
H319	Causes serious eye irritation

<b>Precautionary statement(s): General</b>	
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
<b>Precautionary statement(s): Prevention</b>	
P264 + P280	Wash hands thoroughly after use. Wear eye protection.

<b>Precautionary statement(s): Response</b>	
P305 + P351 + P338	IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and if easy to do.
P337 + P313	If eye irritation persists: get medical advice/attention

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## Precautionary statement(s): Storage

None allocated

## Precautionary statement(s): Disposal

None allocated

## ADG CODE DANGEROUS GOODS

UN Number	none allocated	ADG Classification	none allocated
Shipping Name	none allocated	ADG Subsidiary Risk	none allocated
Hazchem Code	none allocated	Packing Group	none allocated

## POISON SCHEDULES

SUSMP Classification none allocated

## EMERGENCY OVERVIEW

Colour	Pale yellow	Odour	Citrus
Physical Description	Liquid	Viscosity	Not relevant
Major Health Hazards	None known		

Note	
IMPORTANT	<p><b>This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied.</b></p> <p><b>When diluted to 1:3 or greater they no longer apply.</b></p> <p><b>However, good hygiene and housekeeping practices should be adhered to.</b></p>

## SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

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Ingredients:	CAS Number:	Proportion:
Alkyl alcohol ethoxylate sulfated, sodium	68585-34-2	< 10 % w/w
Natural Orange Oil	8028-48-6	< 1 % w/w
Ingredients determined to be non-hazardous (nonionic surfactants, chelators, dye)	various	Balance
NOTE:	Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication "List of Designated Hazardous Substances" or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication "Approved Criteria for Classifying Hazardous Substances", or have been found NOT to meet the criteria of a dangerous substance as defined in the GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS), 4th edition United Nations 2011. Listed ingredients may be below the cut-off concentrations for classification as hazardous, but are listed for information purposes and for additive effects.	

## SECTION 4 – FIRST AID MEASURES

<b>Scheduled Poisons</b>	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).
<b>First Aid Facilities Required</b>	Ensure there is access to eye washes and safety showers.
<b>Inhalation</b>	Remove victim to fresh air away from exposure. Obtain medical attention if symptoms occur.
<b>Skin contact</b>	Wash skin with plenty of water. Seek medical advice (e.g. doctor) if irritation, burning or redness develops. Seek medical advice (e.g. doctor).
<b>Eye contact</b>	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Seek urgent medical advice (e.g. ophthalmologist) if symptoms persist.
<b>Ingestion</b>	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek urgent medical advice (e.g. doctor).
<b>Advice to Doctor</b>	Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.

## SECTION 5 – FIRE FIGHTING MEASURES

**Fire and Explosion** Non flammable.

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<b>Hazards</b>	
<b>Extinguishing Media</b>	Use an extinguishing media suitable for surrounding fires.
<b>Fire Fighting</b>	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition.
<b>Flash Point</b>	Non combustible

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures</b>	For a major spill: <ul style="list-style-type: none"><li>• Stop leak if safe to do so.</li><li>• Send messenger to notify fire brigade and police.</li><li>• Tell them location, material quantity, emergency contact.</li><li>• Indicate condition of vehicle and damage or injuries observed.</li><li>• Warn other traffic.</li></ul>
<b>Occupational Release</b>	Minor spills do not normally need any special clean-up measures. Rinse with water. In the event of a major spill, prevent spillage from entering drains or water courses. Wear appropriate protective equipment as in section 8 below to prevent eye contamination. Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. Residual deposits will remain slippery. Wash area down with excess water. If contamination of sewers or waterways has occurred advise the local emergency services.

## SECTION 7 – HANDLING AND STORAGE

<b>Handling</b>	As with any chemical, avoid excessive personal contact. Wear eye protection when risk of exposure occurs. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling. Work clothes should be laundered. Launder contaminated clothing before re-use.
<b>Storage</b>	Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Keep containers closed – check regularly for leaks.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

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## Control parameters

### Occupational Exposure Limits

No exposure standards have been established for the mixture. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

## Control parameters

### Biological Limits

No biological limits allocated.

## PERSONAL PROTECTION PPE

### Ventilation

No special requirements.

### Personal Protective Equipment

Use good occupational work practice.  
 The use of protective clothing and equipment depends upon the degree and nature of exposure.  
 Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken.  
 The following protective equipment should be available;

### Eye Protection



None required for typical hand washing applications as per label directions.  
 The use of safety glasses with side shield protection, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

### Skin Protection



None required for typical hand washing applications as per label directions.  
 Overalls, apron, work boots and elbow length gloves are recommended (as per AS/NZS 2161, or as recommended by supplier) to handle the concentrated product in quantity, cleaning up spills, decanting, etc.

### Protective Material Types

Material suitable for mild detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile.

### Respirator



None required for typical hand washing applications as per label directions.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Colour	Pale Yellow
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<b>Odour</b>	Citrus	<b>Specific Gravity</b>	~ 1.1 @ 25 °C
<b>Boiling Point</b>	Approximately 100 °C	<b>Freezing Point</b>	Approximately 0 °C
<b>Vapour Pressure</b>	Not available	<b>Vapour Density</b>	Not available
<b>Flash Point</b>	Not flammable	<b>Flammable Limits</b>	None
<b>Water Solubility</b>	Miscible in all proportions	<b>pH</b>	~ 6 - 8 @ 25 °C (1% w/w water)
<b>Volatile Organic Compounds (VOC)</b>	0 % v/v	<b>Coefficient of Water/Oil Distribution</b>	Not available
<b>Viscosity</b>	Not available	<b>Odour Threshold</b>	Not available
<b>Evaporation Rate</b>	Not available	<b>Per Cent Volatile</b>	Not available

## SECTION 10 – STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable at normal temperatures and pressure.
<b>Chemical stability</b>	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
<b>Conditions to avoid</b>	Avoid contact with heat or heat sources.
<b>Incompatible materials</b>	Oxidizing agents.
<b>Hazardous decomposition products</b>	Product can decompose on combustion (burning) to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.
<b>Hazardous Reactions</b>	None known.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### POTENTIAL HEALTH EFFECTS

No adverse health 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:

<b>Inhaled</b>	Not expected to be an inhalation hazard.
<b>Ingestion</b>	Ingestion may result in irritation to the mouth and throat, nausea, vomiting.
<b>Skin Contact</b>	Not expected to be irritating to skin.
<b>Eye</b>	Contact may result in irritation, lacrimation, pain, redness, tearing.
<b>Chronic</b>	No known effects.
<b>Toxicology Information</b>	Not toxic based on ingredients. Oral LD50 (calculated): > 10,000 mg/L
<b>Carcinogen Status</b>	
<b>NOHSC</b>	No significant ingredient is classified as carcinogenic by NOHSC.
<b>NTP</b>	No significant ingredient is classified as carcinogenic by NTP
<b>IARC</b>	No significant ingredient is classified as carcinogenic by IARC
<b>Respiratory</b>	Not expected to be a respiratory sensitizer.

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<b>sensitisation</b>	
<b>Skin sensitisation</b>	Not expected to be a skin sensitizer.
<b>Germ cell mutagenicity</b>	Not considered to be a mutagenic hazard.
<b>Reproductive Toxicity</b>	Not considered to be toxic to reproduction.
<b>STOT-single exposure</b>	Not expected to cause toxicity to a specific target organ.
<b>STOT-repeated exposure</b>	Not expected to cause toxicity to a specific target organ.
<b>Aspiration Hazard</b>	Not expected to be an aspiration hazard.

<b>ORANGE GRIT</b>	<b>TOXICITY</b> LD50 calculated >10,000mg/kg not toxic	<b>IRRITATION</b> Mild irritation – skin. Mild irritation – eyes.
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## SECTION 12 – ECOLOGICAL INFORMATION

<b>General</b>	No single ingredient (over 1%) recognised as environmental pollutant. Product miscible in all proportions with water. AS WITH ANY CHEMICAL PRODUCT, DO NOT DISCHARGE INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Inform local authorities if this occurs.
<b>Aquatic Toxicity</b>	
<b>ORANGE GRIT (as sold)</b>	Acute Aquatic Toxicity Category 3 - (LC50 >10 mg/L, but < 100mg/L). Harmful to aquatic life. Acute Aquatic Toxicity (Calculated) LC50: 21 - 25 mg/L.
<b>ORANGE GRIT (at use dilution)</b>	Acute Aquatic Toxicity NOT HAZARDOUS. Not harmful to aquatic life. LC50 > 100mg/L. Acute Aquatic Toxicity (Calculated) LC50: 2,100 – 2,500 mg/L.
<b>Persistence and degradability</b>	Biodegradable, based on ingredients.
<b>Bio accumulative potential</b>	No bioaccumulation is expected.
<b>Mobility in soil</b>	Due to its physico-chemical characteristics, highly mobile in the environment and will

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	partition to the aquatic compartment.
Other adverse effects	Not available
Environmental Protection	Do not discharge this material into waterways.

## SECTION 13 – DISPOSAL CONSIDERATIONS

Product and Packaging Disposal	Dispose of contents/container to chemical landfill. Consult local or regional waste management authority for further details.
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## SECTION 14 – TRANSPORT INFORMATION

Labels Required	
ADG	None allocated
Marine Pollutant	No
HAZCHEM	None allocated

Land Transport (ADG)	
UN number	None allocated
Packing group	None allocated
UN proper shipping name	None allocated
Environmental hazard class(es)	None allocated
Transport hazard class(es)	None allocated
Special precautions for user	None allocated

Air transport (ICAO-IATA / DGR)	
UN number	None allocated
Packing group	None allocated
UN proper shipping name	None allocated
Environmental hazard	None allocated
Transport hazard class(es)	None allocated

Sea transport (IMDG-Code / GGVSee)	
UN number	None allocated
Packing group	None allocated

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UN proper shipping name	None allocated	
Environmental hazard class(es)	None allocated	
Transport hazard class(es)	None allocated	
Special precautions for user	None allocated	
	None allocated	

## SECTION 15 – REGULATORY INFORMATION

### Labeling Details

GHS Classification	Eye Irritation - Category 2
SUSMP	Nil
ADG Code	Nil
AICS	All ingredients present on AICS.

## SECTION 16 – OTHER INFORMATION

Issue Date	21 May 2023
Version Number	V 1.1
Abbreviations and acronyms	<p><b>ADG Code:</b> Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p><b>AICS:</b> Australian Inventory of Chemical Substances.</p> <p><b>CAS Number:</b> Chemical Abstracts Service Registry Number.</p> <p><b>GHS:</b> Globally Harmonized System of Classification and Labelling of Chemicals</p> <p><b>HAZCHEM:</b> An emergency action code of numbers and letters which gives information to emergency services.</p> <p><b>HSIS:</b> Hazardous Substances Information System</p> <p><b>IARC:</b> International Agency for Research on Cancer.</p> <p><b>NOHSC:</b> National Occupational Health and Safety Commission.</p> <p><b>NTP:</b> National Toxicology Program (USA).</p> <p><b>SDS:</b> Safety Data Sheet</p> <p><b>STEL:</b> Short Term Exposure Limit.</p> <p><b>SUSMP:</b> Standard for the Uniform Scheduling of Medicines and Poisons.</p> <p><b>TWA:</b> Time Weighted Average.</p> <p><b>UN Number:</b> United Nations Number.</p>

Literature references	<p>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice ( Safe Work Australia)</p> <p>GHS Hazardous Chemical Information List (Safe Work Australia)</p> <p>Guidance on the Classification of Hazardous Chemicals under the WHS Regulations.</p> <p>Global Harmonized System of Classification and Labelling of Chemicals (GHS)</p> <p>“Australian Exposure Standards”. Safework Australia</p>
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	Australian Code For The Transport Of Dangerous Goods By Road And Rail Standard for the Uniform Scheduling of Medicines and Poisons Material Safety Data Sheets – individual raw materials – Suppliers HSIS – Hazardous Substance Information System – National Safe Work Australia Data Base. HCIS – Hazardous Chemical Information System – National Safe Work Australia Data Base.
<b>Risk assessments</b>	This SDS is a tool to communicate hazards which can assist you in creating relevant risk assessments for your workplace. There are many variables in determining whether a particular hazard is a risk in your workplace. Keep in mind this may be influenced by such things as the amount used, frequency of use, engineering controls, effectiveness of safety training and many more considerations.
<b>Disclaimer</b>	This MSDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.
<b>Note</b>	Safety Data Sheets are updated frequently. Please ensure that you have a current copy.
<b>Copyright</b>	This document is copyright.

**End of SDS**