Skim Coat

Oriem Pty Ltd

Version No: **1.1**

Issue Date: **29/04/2024**

Safety Data Sheet according to WHS and ADG requirements

SECTION 1 Identification of the material and supplier

Product Identifier

Product name	Skim Coat
Synonyms	None

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Cement based repair Mortar for repair concrete substrates. Use in accordance with the manufacturer's directions.

Details of the supplier of the safety data sheet

Registered company name	**Oriem Pty Ltd**
Address	Unit 3, 189 Newton Road Wetherill Park NSW 2164 Australia
Telephone	(02) 9129 9100
Fax	Not Available
Website	www.oriem.com.au
Email	admin@oriem.com.au

Emergency telephone number

Association / Organisation	**Novatex Products Pty Ltd**
Emergency telephone numbers	(02) 9616 6500 (7am to 5pm Monday to Friday EST)
Emergency (A/H)	13 11 26 (Poisons Information Centre)

SECTION 2 Hazards identification

Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

GHS classification(s)	Specific Target Organ Systemic Toxicity (Repeated Exposure): Category 2 Serious Eye Damage / Eye Irritation: Category 2A Skin Corrosion/Irritation: Category 2 Specific Target Organ Systemic Toxicity (Single Exposure): Category 3

Label elements

Hazard pictogram(s)	

Signal word	**Warning**

Hazard statement(s)

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.

Precautionary statement(s) Prevention

P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement(s) Response

P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see first aid instructsions)
P362	Take off contaminated clothing and wash before reuse.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Precautionary statement(s) Storage

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Precautionary statement(s) Disposal

P501	Dispose of contents/container in accordance with relevant regulations.

Other hazards

No information provided.

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

Ingredients	CAS Number	EC Number	Content
Portland Cement	65997-15-1	266-043-4	10 to 30%
Calcium Sulfoaluminate cement	12004-14-7	934-133-9	20 to 60%
Synthetic Additives			5% to 10%
Calcium carbonate	1317-65-3		35 to 45%
Quartz (Crystalline Silica)	14808-60-7	238-878-4	<1%
Non-hazardous Ingredients	Not Available	Not Available	Remainder

Ingredient Notes 1. Depending upon the source material, may contain varying amounts of respirable quartz (crystalline silica).
2. Chromium VI is a trace impurity in Portland Cement (< 20 ppm).

SECTION 4 First aid measures

Description of first aid measures

Eye Contact	If this product comes in contact with the eyes: ▸ Hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.
Skin Contact	If skin contact occurs: ▸ Remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.
Inhalation	If inhaled: ▸ remove from contaminated area. ▸ Apply artificial respiration if not breathing.
Ingestion	▸ For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). ▸ If swallowed, do not induce vomiting.
First aid facilities	Eye wash facilities and safety shower should be available.

Most important symptoms and effects, both acute and delayed

Irritating to the eyes, skin and respiratory system. Chronic over exposure to silica quartz dust may result in silicosis (lung disease). Principal symptoms of silicosis are coughing and breathlessness. Some individuals may exhibit an allergic response upon exposure to this product, possibly due to the trace amounts of chromium present. Crystalline silica and hexavalent chromium compounds are classified as carcinogenic to humans (IARC Group 1).

Indication of any immediate medical attention and special treatment needed

Treat as for moderate to strong alkali and symptomatically.

SECTION 5 Firefighting measures

Extinguishing media

▸ Use an extinguishing agent suitable for the surrounding fire.

Special hazards arising from the substrate or mixture

Fire Incompatibility	▸ Non-flammable. May evolve toxic gases if strongly heated.

Advice for firefighters

No fire or explosion hazard exists

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Contact emergency services where appropriate.

Environmental precautions

Prevent product from entering drains and waterways.

Methods and material for containment and cleaning up

Personal Contain spillage, then collect and place in suitable containers for reuse or disposal. Avoid generating dust.

Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

SECTION 7 Handling and storage

Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

Conditions for safe storage, including any incompatibilities.

Store in a cool, dry, well-ventilated area, removed from moisture, incompatible substances and foodstuffs. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.

Specific end use(s).

No information provided.

SECTION 8 Exposure controls / personal protection

Control parameters

Exposure standards and ingredient data

Ingredient	Reference	TWA		STEL	
		ppm	mg/m³	ppm	mg/m³
Portland cement	SWA(AUS)	-	10	-	-
Quartz (respirable Dust)	SWA (AUS)	-	0.1	-	-
Calcium Sulfoaluminate cement	SWA (AUS)	-	10	-	-

Biological limits

No biological limit values have been entered for this product.

Exposure controls

Engineering controls Avoid inhalation. Use in well-ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.

Personal protection	
Eye and face protection	Wear safety glasses or dust-proof goggles when handling material to avoid contact with eyes ▸ Chemical goggles.
Body protection	Wear long sleeved shirt and full-length trousers.
Hands protection	Wear PVC, rubber or cotton gloves when handling material to prevent skin contact.
Respiratory	Where an inhalation risk exists wear a Class P1 (Particulate) respirator, dependent on a site-specific risk assessment

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Light grey powder

Physical state	Liquid	**Density**	1200 kg/m³ to 1300 kg/m³ (Bulk)
Odour	Slight Odour	**Partition coefficient n-octanol / water**	Not Available
Odour threshold	Not Available	**Auto-ignition temperature (°C)**	Not Available
pH (as supplied)	11-13	**Decomposition temperature**	Not Available
Melting point / freezing point (°C)	> 1200°C	**Viscosity (cSt)**	Not Available
Initial boiling point and boiling range (°C)	Not Available	**Molecular weight (g/mol)**	Not Applicable
Flash point (°C)	Not Relevant	**Taste**	Not Available
Evaporation rate	Not Available	**Explosive properties**	Not Available
Flammability	Non-Flammable	**Oxidising properties**	Not Available
Upper Explosive Limit (%)	Not Relevant	**Surface Tension (dyn/cm or mN/m)**	Not Available
Lower Explosive Limit (%)	Not Relevant	**Volatile Component (%vol)**	Not Available
Vapour pressure (kPa)	Not Available	**Gas group**	Not Available
Solubility in water	<10g/L	**pH as a solution (1%)**	Not Available
Vapour density (Air = 1)	Not Available	**VOC g/L**	Not Available

SECTION 10 Stability and reactivity

Reactivity	Carefully review all information provided in sections 10.2 to 10.6
Chemical stability	Stable under recommended conditions of storage.
Possibility of hazardous reactions	Hazardous polymerization is not expected to occur.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources.
Incompatible materials	Incompatible with oxidising agents (e.g. hypochlorites), ethanol, acids (e.g. hydrofluoric acid) and interhalogens (e.g. chlorine trifluoride). Water contact may increase product temperature 2°C to 3°C.
Hazardous decomposition products	May evolve toxic gases if heated to decomposition.

SECTION 11 Toxicological information

Information on toxicological effects

Acute Toxicity	No known toxicity data is available for this product. Based on available data, the classification criteria are not met.
Skin	Irritating to the skin. Contact with powder or wetted form may result in irritation, rash and dermatitis.
Eye	Irritating to the eyes. Contact may result in irritation, lacrimation, pain, redness, corneal burns and possible permanent damage.
Sensitization	This product is not classified as a skin or respiratory sensitizer. However, some individuals may exhibit an allergic response upon exposure to cement, possibly due to trace amounts of chromium.
Mutagenicity	Insufficient data available to classify as a mutagen
Carcinogenicity	This product contains crystalline silica which is classified as carcinogenic to humans (IARC Group 1). However, there is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis. Therefore, preventing the onset of silicosis will also reduce the cancer risk. Hexavalent chromium compounds are classified as carcinogenic to humans (IARC Group 1), however due to the trace amounts present, the criteria for classification is not met.
Reproductive	Insufficient data available to classify as a reproductive toxin.
STOT – single exposure	Irritating to the respiratory system. Over exposure may result in irritation of the nose and throat, coughing. High level exposure may result in breathing difficulties.
STOT – repeated exposure	Repeated exposure to respirable silica may result in pulmonary fibrosis Silicosis is an ibronodular lung disease caused deposition in the lungs of fine respirable particles of crystalline silica. Principal symptoms of silicosis are coughing and breathlessness. In the wet state, the likelihood of an inhalation hazard is reduced.
Aspiration	This product is a solid and aspiration hazards are not expected to occur.

SECTION 12 Ecological information

Toxicity

May be harmful to the aquatic environment due to the alkaline nature of the product. This product is non-toxic to aquatic organisms when present as a cured solid.

Persistence and degradability

Product is persistent and would have a low degradability.

Bioaccumulative potential

This product is not expected to bioaccumulate.

Mobility in soil

A low mobility would be expected in a landfill situation.

Other adverse effects

Avoid contamination of drains and waterways.

SECTION 13 Disposal considerations

Waste treatment methods

Waste disposal	Reuse or recycle where possible. Alternatively, ensure product is covered with moist soil to prevent dust generation and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information (if required)
Legislation	Dispose of in accordance with relevant local legislation.

SECTION 14 Transport information

NOT CLASSIFIED AS DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO	AIR TRANSPORT (IATA / ICAO
UN Number	None Allocated	None Allocated	None Allocated
Proper Shipping Name	None Allocated	None Allocated	None Allocated
Transport hazard class	None Allocated	None Allocated	None Allocated
Packing Group	None Allocated	None Allocated	None Allocated

Environmental hazards

No information provided

Special precautions for use

Hazchem code	None allocated

SECTION 15 Regulatory information

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

Poison schedule	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Classifications	Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals
Hazard codes	Xi Irritant, Xn Harmful
Risk phrases	**R36/37/38:** Irritating to eyes, respiratory system and skin. **R48/20 Harmful:** danger of serious damage to health by prolonged exposure through inhalation
Safety phrases	**S22** Do not breathe dust. **S24/25** Avoid contact with skin and eyes **S36/37** Wear suitable protective clothing and gloves
Inventory listing(s) AUSTRALIA	AICS (Australian Inventory of Chemical Substances) All components are listed on AICS, or are exempt.

SECTION 16 Other information

Personal Protective Equipment Guidelines

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Health Effects from Exposure

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	European Community Number
GHS	Globally Harmonized System
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m³	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm	Parts Per Million
STEL	Short-Term Exposure Limit
STOT	RE Specific target organ toxicity (repeated exposure)
STOT	SE Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons SWA Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

Revision History

Revision	1.0
Description	Initial release 29/04/2024

Report Status

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