



## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

#### 1.1 Product identifier

**Product name** OPAL  
**Synonyms** OPAL

#### 1.2 Uses and uses advised against

**Uses** LINING • PLASTER BOARD

#### 1.3 Details of the supplier of the product

**Supplier name** KNAUF PLASTERBOARD PTY LTD  
**Address** 31 Military Rd, Matraville, NSW, 2036, AUSTRALIA  
**Telephone** (02) 9311 6900; 1300 724 505  
**Fax** (02) 9661 6416  
**Email** [technical@knauf.com.au](mailto:technical@knauf.com.au)  
**Website** <http://www.knaufplasterboard.com.au>

#### 1.4 Emergency telephone numbers

**Emergency** 13 11 26

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

#### 2.2 GHS Label elements

No signal word, pictograms, hazard or precautionary statements have been allocated.

#### 2.3 Other hazards

Non-hazardous as supplied.

Please note that when boards are processed (cut or sanded), or compounds are sanded or mixed, respirable crystalline silica dust may be created. Concentration levels are below safe levels (less than 0.1% crystalline silica content), however Knauf recommends the use of appropriate dust management measures and equipment as best practice

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

#### 3.1 Substances / Mixtures

| Ingredient                  | CAS Number    | EC Number     | Content   |
|-----------------------------|---------------|---------------|-----------|
| GYPSUM                      | 13397-24-5    | 603-783-2     | >60%      |
| CELLULOSE                   | 9004-34-6     | 232-674-9     | <5%       |
| GLASS, OXIDE                | 65997-17-3    | 266-046-0     | <1%       |
| QUARTZ (CRYSTALLINE SILICA) | 14808-60-7    | 238-878-4     | <0.1%     |
| NON HAZARDOUS INGREDIENTS   | Not Available | Not Available | Remainder |
| ASHES (RESIDUES)            | 68131-74-8    | 268-627-4     | <10%      |

### 4. FIRST AID MEASURES

**4.1 Description of first aid measures**

|                             |  |
|-----------------------------|--|
| <b>Eye</b>                  | If in 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. |
| <b>Inhalation</b>           | If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.  |
| <b>Skin</b>                 | Exposure is considered unlikely. Skin irritation is not anticipated.   |
| <b>Ingestion</b>            | For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). Due to product form and application, ingestion is considered unlikely.              |
| <b>First aid facilities</b> | None allocated.  |

**4.2 Most important symptoms and effects, both acute and delayed**

See Section 11 for more detailed information on health effects and symptoms.

**4.3 Immediate medical attention and special treatment needed**

Treat symptomatically.

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**5. FIRE FIGHTING MEASURES**

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**5.1 Extinguishing media**

Use an extinguishing agent suitable for the surrounding fire.

**5.2 Special hazards arising from the substance or mixture**

Non flammable. May evolve toxic gases if strongly heated.

**5.3 Advice for firefighters**

No fire or explosion hazard exists.

**5.4 Hazchem code**

None allocated.

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**6. ACCIDENTAL RELEASE MEASURES**

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**6.1 Personal precautions, protective equipment and emergency procedures**

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

**6.2 Environmental precautions**

Prevent product from entering drains and waterways.

**6.3 Methods of cleaning up**

If spilt, collect and reuse where possible.

**6.4 Reference to other sections**

See Sections 8 and 13 for exposure controls and disposal.

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**7. HANDLING AND STORAGE**

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**7.1 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.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in a cool, dry area.

**7.3 Specific end uses**

No information provided.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Exposure standards

| Ingredient                                  | Reference | TWA |                   | STEL |                   |
|---|-----------|-----|-------------------|------|-------------------|
|   |           | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| Cellulose (paper fibre) (a)                 | SWA [AUS] | --  | 10                | --   | --                |
| Gypsum (Calcium sulphate)                   | SWA [AUS] | --  | 10                | --   | --                |
| Non-respirable fibres, inspirable dust      | SWA [AUS] | --  | 2                 | --   | --                |
| Quartz (respirable dust)                    | SWA [AUS] | --  | 0.1               | --   | --                |
| Synthetic mineral fibres, respirable fibres | SWA [AUS] | --  | 0.5 f/ml          | --   | --                |

#### Biological limits

No biological limit values have been entered for this product.

### 8.2 Exposure controls

**Engineering controls** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

#### PPE

- Eye / Face** Wear dust-proof goggles.
- Hands** Wear PVC or rubber gloves.
- Body** If cutting or sanding with potential for dust generation, wear coveralls.
- Respiratory** If cutting or sanding with potential for dust generation, wear a Class P1 (Particulate) respirator.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|                                  |                    |
|----------------------------------|--------------------|
| <b>Appearance</b>                | PLASTERBOARD SHEET |
| <b>Odour</b>                     | SLIGHT ODOUR       |
| <b>Flammability</b>              | NON FLAMMABLE      |
| <b>Flash point</b>               | NOT RELEVANT       |
| <b>Boiling point</b>             | NOT AVAILABLE      |
| <b>Melting point</b>             | NOT AVAILABLE      |
| <b>Evaporation rate</b>          | NOT AVAILABLE      |
| <b>pH</b>                        | NOT AVAILABLE      |
| <b>Vapour density</b>            | NOT AVAILABLE      |
| <b>Specific gravity</b>          | NOT AVAILABLE      |
| <b>Solubility (water)</b>        | SLIGHTLY SOLUBLE   |
| <b>Vapour pressure</b>           | NOT AVAILABLE      |
| <b>Upper explosion limit</b>     | NOT RELEVANT       |
| <b>Lower explosion limit</b>     | NOT RELEVANT       |
| <b>Partition coefficient</b>     | NOT AVAILABLE      |
| <b>Autoignition temperature</b>  | NOT AVAILABLE      |
| <b>Decomposition temperature</b> | NOT AVAILABLE      |
| <b>Viscosity</b>                 | NOT AVAILABLE      |
| <b>Explosive properties</b>      | NOT AVAILABLE      |
| <b>Oxidising properties</b>      | NOT AVAILABLE      |
| <b>Odour threshold</b>           | NOT AVAILABLE      |

## 10. STABILITY AND REACTIVITY

**10.1 Reactivity**

Carefully review all information provided in sections 10.2 to 10.6.

**10.2 Chemical stability**

Stable under recommended conditions of storage.

**10.3 Possibility of hazardous reactions**

Polymerization will not occur.

**10.4 Conditions to avoid**

Avoid heat, sparks, open flames and other ignition sources.

**10.5 Incompatible materials**

Compatible with most commonly used materials.

**10.6 Hazardous decomposition products**

May evolve toxic gases if heated to decomposition.

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**11. TOXICOLOGICAL INFORMATION**

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**11.1 Information on toxicological effects**

**Acute toxicity** This product is expected to be of low toxicity. Based on available data, the classification criteria are not met.

**Information available for the ingredients:**

| Ingredient | Oral LD50          | Dermal LD50           | Inhalation LC50                         |
|------------|--------------------|-----------------------|---|
| CELLULOSE  | > 5000 mg/kg (rat) | > 2000 mg/kg (rabbit) | > 5800 mg/m <sup>3</sup> /4 hours (rat) |

**Skin** Mechanical irritant. Prolonged or repeated contact may result in mild irritation due to mechanical action.

**Eye** Due to product form and nature of use, the potential for exposure is reduced. Product may only present a hazard if dust is generated. Contact may result in mechanical irritation.

**Sensitisation** Not classified as causing skin or respiratory sensitisation.

**Mutagenicity** Not classified as a mutagen.

**Carcinogenicity** Not classified as a carcinogen. Crystalline silica quartz is classified as a human carcinogen (IARC Group 1), however, due to the product form (board) and low concentration, adverse health effects are not anticipated unless this product is cut or sanded and dusts generated.

**Reproductive** Not classified as a reproductive toxin.

**STOT - single exposure** Not classified as causing organ damage from single exposure. An inhalation hazard is not anticipated unless cut, drilled or sanded with dust generation, which may result in irritation of the nose and throat.

**STOT - repeated exposure** Not classified as causing organ damage from repeated exposure. Adverse health effects associated with silica, such as the development of silicosis (lung fibrosis), is not anticipated unless chronic (i.e. prolonged and repeated) exposure to silica quartz dust occurs.

**Aspiration** Not classified as causing aspiration.

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**12. ECOLOGICAL INFORMATION**

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**12.1 Toxicity**

No information provided.

**12.2 Persistence and degradability**

No information provided.

**12.3 Bioaccumulative potential**

No information provided.

**12.4 Mobility in soil**

No information provided.

**12.5 Other adverse effects**

No information provided.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

**Waste disposal** Reuse where possible or return to manufacturer (the manufacturer may have a method/solution for neutralisation available). Alternatively, absorb with sand or similar 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.

### 14. TRANSPORT INFORMATION

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

|                                    | LAND TRANSPORT (ADG) | SEA TRANSPORT (IMDG / IMO) | AIR TRANSPORT (IATA / ICAO) |
|------------------------------------|----------------------|----------------------------|-----------------------------|
| <b>14.1 UN Number</b>              | None allocated.      | None allocated.            | None allocated.             |
| <b>14.2 Proper Shipping Name</b>   | None allocated.      | None allocated.            | None allocated.             |
| <b>14.3 Transport hazard class</b> | None allocated.      | None allocated.            | None allocated.             |
| <b>14.4 Packing Group</b>          | None allocated.      | None allocated.            | None allocated.             |

#### 14.5 Environmental hazards

Not a Marine Pollutant

#### 14.6 Special precautions for user

**Hazchem code** None allocated.

### 15. REGULATORY INFORMATION

#### 15.1 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.

**Inventory listings** **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**  
All components are listed on AICS, or are exempt.

### 16. OTHER INFORMATION

**Additional information** **PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**  
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, 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: form of product; 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 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.            | EC No - European Community Number   |
| EMS               | Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)                   |
| GHS               | Globally Harmonized System  |
| GTEPG             | Group Text Emergency Procedure Guide  |
| IARC              | International Agency for Research on Cancer   |
| LC50              | Lethal Concentration, 50% / Median Lethal Concentration   |
| LD50              | Lethal Dose, 50% / Median Lethal Dose   |
| mg/m <sup>3</sup> | 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   |

**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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