Infosafe No™	1CH0Q	Issue Date : October 2015	RE-ISSUED by CHEMSUPP

Product Name : **KAOLIN**

Not classified as hazardous

1. Identification

GHS Product Identifier: KAOLIN

Company Name: CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)

Address: 38 - 50 Bedford Street GILLMAN
SA 5013 Australia

Telephone/Fax Number: Tel: (08) 8440-2000
Fax: (08) 8440-2001

Recommended use of the chemical and restrictions on use: Filler and coatings for paper and rubber, plasticizer, refractories, ceramics, cements, fertilisers, chemicals including aluminium sulfate, catalyst carrier, anticaking preparations, cosmetics, insecticides, paint, manufacture of adhesives in fiberglass, in the rubber industry, source of alumina, adsorbent for clarification of liquids, electrical insulators and laboratory reagent.

Other Names

Name	Product Code
KAOLIN LR	KL000
China clay	
Aluminium silicate hydrated	
Bole white	

Other Information: EMERGENCY CONTACT NUMBER: +61 08 8440 2000
Business hours: 8:30am to 5:00pm, Monday to Friday.

Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture: Not classified as hazardous according to the Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004] 3rd Edition, Safe Work Australia.
Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

3. Composition/information on ingredients

Chemical Characterization: Solid

Information on Composition: A white-burning aluminium silicate that, because of its great purity, has a high fusion point and is the most refractory of all clays.
Main constituent: kaolinite Al2O3.2SiO2.2H2O

Ingredients

Name	CAS	Proportion	Hazard Symbol	Risk Phrase
Kaolin	1332-58-7	100 %		

4. First-aid measures

Inhalation: If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Ingestion: Rinse mouth thoroughly with water immediately. Do not induce vomiting. Seek medical advice if effects persist.

Skin: Wash affected areas with copious quantities of water.

Eye contact: Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open.

Advice to Doctor: Treat symptomatically based on judgement of doctor and individual reactions of the patient.

Other Information: For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor at once.

5. Fire-fighting measures

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Hazards from Combustion Products	May liberate toxic fumes in fire include oxides of aluminium and silicon may be present, carbon dioxide and carbon monoxide.
Specific Methods	Small fire: Use dry chemical, CO2, water spray or foam. Large fire: Use water spray, fog or foam. If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out.
Specific hazards arising from the chemical	Material does not burn. Runoff may pollute waterways. Fire or heat may produce irritating, poisonous and/or corrosive fumes. Containers may explode when heated.
Precautions in connection with Fire	Wear SCBA and structural firefighter's uniform.

6. Accidental release measures

Personal Precautions	Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)
Clean-up Methods - Small Spillages	Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.

7. Handling and storage

Precautions for Safe Handling	Avoid substance contact and generation and inhalation of dust.
Conditions for safe storage, including any incompatabilities	Keep in a cool, dry, well-ventilated place. Keep containers securely sealed and protected against physical damage.

8. Exposure controls/personal protection

Other Exposure Information	A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by NOHSC Australia for this product. There is a blanket limit of 10 mg/m³ for dusts when limits have not otherwise been established.
Appropriate engineering controls	In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.
Respiratory Protection	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.
Eye Protection	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
Hand Protection	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: Nitrile rubber gloves
Body Protection	Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
Hygiene Measures	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

Form	Solid
Appearance	White to yellowish or grayish powder.
Odour	Odourless.
Solubility in Water	Insoluble.
Solubility in Organic Solvents	Insoluble in dilute acids and alkali hydroxides.
Specific Gravity	2.6

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pH	6-7 (50 g/l, H2O) (slurry)
Flammability	Non combustible material.
Molecular Weight	Not applicable.
Other Information	High lubricity (slipperiness). Darkens and develops clay odour when moistened. Insoluble in dilute acids and alkali hydroxides.

10. Stability and reactivity

Chemical Stability	Stable.
Conditions to Avoid	Incompatibles.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Oxides of aluminium and silicon may be present, carbon dioxide and carbon monoxide.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Ingestion	Extremely large oral dosages may produce gastrointestinal disturbances.
Inhalation	May cause irritation to the respiratory and gastrointestinal tract.
Skin	May cause irritation. May be harmful if absorbed through the skin.
Eye	Dust may cause mechanical irritation.
Carcinogenicity	No evidence of carcinogenic properties.
Chronic Effects	Repeated or prolonged exposure may cause lung damage and a benign pneumoconiotic condition. May produce chronic pulmonary fibrosis and stomach granuloma.
Mutagenicity	No evidence of mutagenic effects.

12. Ecological information

Ecotoxicity	Quantitative data on the ecological effect of this product are not available. No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

13. Disposal considerations

Disposal Considerations	Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.

14. Transport information

Transport Information	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. Regulatory information

Regulatory Information	Listed in the Australian Inventory of Chemical Substances (AICS).
Poisons Schedule	Not Scheduled

16. Other Information

Literature References	'Standard for the Uniform Scheduling of Medicines and Poisons No. 6', Commonwealth of Australia, February 2015. Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007. Safe Work Australia, 'National Code of Practice fot the Preparation of Safety Data Sheets for Hazardous Chemicals', 2011. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010. Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'.

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	Safe Work Australia, 'Hazardous Substances Information System, 2005'. Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'. Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]'.
Contact Person/Point	Paul McCarthy Ph. (08) 8440 2000 DISCLAIMER STATEMENT: All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. Chem-Supply accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives.
Empirical Formula & Structural Formula	$Al_2O_3.2SiO_2.2H_2O$
	...End Of MSDS...