

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Identifier

Product name: K-Fill

Manufacturer or Supplier Details

Company name: RJM Belmont Pty Ltd
Address: 11 Cowcher Place, Belmont WA 6104
Telephone: 1800 035 667
Email: benjamin.kane@floorandflake.com.au
Website: www.floorandflake.com.au
Emergency telephone number: +61 4 0850 5306 (Benjamin Kane)
Poisons information centre: Australia - 131 126; New Zealand - 0800 764 766

Recommended use of the chemical and restrictions of use

Recommended use: Filler for use with epoxy resin binder systems.

Other information: This Safety Data Sheet summarises at the date of issue our best knowledge of the health and safety information of the product, and in particular how to safely handle and use the product in the workplace. Since Floor and Flake cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage review this Safety Data Sheet 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 company.

2. HAZARD IDENTIFICATION

GHS Classification

Classified as a hazardous chemical in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS).

Carcinogenicity – Category 1

Specific Target Organ Toxicity: Repeated Exposure – Category 1

GHS label elements

Hazard pictograms:



Signal Word: DANGER

Hazard Statements

H350: May cause cancer.
H372: Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements

Prevention:

P103: Read label before use.
P104: Read safety data sheet before use.
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe dust/fume/gas/vapours/spray.
P264: Wash skin thoroughly after handling.

Revision Date: 15-Dec-2023

Revision Number: 2

P270: Do not eat, drink or smoke when using this product.

P281: Use personal protective equipment as required.

Response:

P308 + P313: Get medical advice / attention if you feel unwell.

P314: IF exposed or concerned: Get medical advice / attention.

Storage:

P405: Store locked up.

Disposal:

P501: Dispose of contents/container in accordance with local, regional, national and international regulations.

Other Information

Avoid inhalation of fine dust generated by mechanical attrition.

WARNING: Not to be used for dry sand blasting applications, as this creates large amounts of respirable silica dust.

3. COMPOSITION / INFORMATION ON INGREDIENTS**Information on Composition:** Fine sand mixture. Contains >1% respirable crystalline silica in the form of quartz.**Components**

Chemical Name	CAS-No	Weight (%)
Silicon Dioxide (Quartz)	14808-60-7	>90%
Other Ingredients determined to be non-hazardous	Mixture	<2%

4. FIRST AID MEASURES**Description of first aid measures****General advice:** For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766)**Inhalation:** Move the affected person to fresh air. Ensure airways are clear. Keep at rest. Seek medical attention.**Eye contact:** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.**Skin contact:** Wash affected area thoroughly with soap and water. If symptoms develop, seek medical attention.**Ingestion:** Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.**First aid facilities required:** Eye wash and normal washroom facilities.**Indication of immediate medical attention and special treatment needed:****Advice for doctor:** Treat symptomatically.**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media****Suitable extinguishing media:** Use appropriate fire extinguishing media for surrounding combustible materials involved in the fire. Foam, dry chemical powder, carbon dioxide, water spray or water fog are suitable for this product.**Specific hazards arising from the chemical****Specific hazards arising from the chemical:** This product is not combustible; however the package may burn under fire conditions.**Hazardous combustion:** Smoke, fumes and dust may be generated in a large fire.

Special protective actions for fire-fighters

Special protective equipment and precautions for fire-fighters: Fire-fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Methods and material for containment and cleaning up

Method for containment: Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways.

Method for cleaning up: Wear appropriate personal protective equipment and clothing to prevent inhalation and eye exposure. Sweep up material to avoid dust generation or where possible, use dustless methods such as a vacuum to collect the material and transfer into suitable labelled container for subsequent recycling or disposal.
If contamination of sewers or waterways occurs, inform the local water authorities and EPA in accordance with local regulations. Dispose of waste according to applicable local and national regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: Before use carefully read the product label. Use only in well-ventilated areas. Avoid generation of dusts. DO NOT enter confined spaces where airborne dusts exceed exposure limits.

General hygiene considerations: Do not breathe dust. Do not eat drink or smoke when using this product. Wear appropriately to prevent inhalation, skin and eye contact. Practice good personal hygiene, wash skin thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, dry, well-ventilated area. Protect containers / bags from damage. Avoid generation of dust.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Exposure Limits:

As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.

Chemical Name	CAS-No	TWA (ppm)	TWA (mg/m ³)	STEL (ppm)	STEL (mg/m ³)
Quartz (Crystalline Silica)	14808-60-7	-	0.05 mg/m ³	-	-

As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.

TWA - The time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

STEL (Short Term Exposure Limit) - the airborne concentration of a particular substance calculated as a time-weighted average over 15 minutes, which should not be exceeded at any time during a normal eight hour work day. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Biological limit values: No biological limit allocated.

Appropriate engineering controls

Engineering controls: Use good adequate ventilation to maintain the concentration below exposure standards is required. The use of a local ventilation system (Drawing dust away from workers breathing zone) is recommended. If

engineering controls are not sufficient to maintain concentrations of particulates below the exposure standards, suitable respiratory protection must be worn.

Individual protection measure, such as personal protective equipment

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

RESPIRATOR, SAFETY GLASSES WITH SIDE SHIELDS, GLOVES, LONG SLEEVES AND PANTS, OVERALLS SAFETY BOOTS.



- Eye/face protection:** Safety glasses with side shields or chemical goggles should be worn, Final choice of appropriate eye/face protection will vary according to the individual circumstances. Eye protection devices should conform with Australian / New Zealand Standard AS/NZS 1337 – *Eye Protectors for Industrial Applications*.
- Skin and body protection:** Suitable workwear should be worn to protect personal clothing, e.g. cotton overalls buttoned at neck and wrist. Industrial clothing should conform to the specifications detailed in AS/NZS 2919 – *Industrial Clothing*. Dusty clothing should be laundered before reuse. Use precautionary measures to avoid creating dust when removing or laundering clothes.
- Hand protection:** Wear dust-impervious gloves conforming to AS/NZS 2161 – *Occupational Protective Gloves: Selection, Use and Maintenance*. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling and engineering controls as determined by appropriate risk assessments.
- Respiratory protection:** If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable dust/particulate filter should be used. Reference should be made to Australian / New Zealand Standards AS/NZS 1715 – *Selection, Use and Maintenance of Respiratory Devices* and AS/NZS 1716 – *Respiratory Protective Devices*, in order to make any necessary changes for individual circumstances.
- Hygiene measures:** Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet facilities.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State:	Solid Granule
Appearance:	Grey
Odour:	Odourless
Melting point:	Not available.
Boiling point:	Not available.
Solubility in water:	Insoluble
Specific gravity:	1.49 @ 23°C
pH value:	Not available.
Vapour pressure:	Not available.
Flash point:	Not applicable.
Flammability:	Non-combustible solid
Auto-ignition temperature:	Not applicable.
Flammable limits – lower:	Not applicable.
Flammable limits – upper:	Not applicable.

10. STABILITY AND REACTIVITY

- Reactivity:** No dangerous reaction known under normal conditions of use.
- Chemical stability:** Stable under normal use conditions.
- Conditions to avoid:** Dust generation.

Incompatible materials: Not applicable.

Hazardous decomposition products: Will not occur.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Toxicological: Respirable crystalline silica (particle size smaller than 7 micrometres), is regarded as a danger to health by prolonged exposure through inhalation.

Delayed and immediate effects as well as chronic effects from short and long term exposure

Inhalation: Breathing of dust may cause shortness of breath and aggravate asthma and inflammatory or fibrotic pulmonary disease. Inhalation may cause delayed lung disease. Acute aspiration may cause drying and irritation of the respiratory tract, coughing, dyspnea, sneezing, vomiting, cyanosis and pulmonary edema which may be delayed by up to several hours.

Ingestion: Ingestion of large amounts may irritate the gastric tract causing nausea and vomiting.

Skin: Skin contact may cause dryness. May cause mild irritation in the case of some individuals with sensitive skin.

Eye: Eye contact may cause mechanical irritation.

Carcinogenicity: Cancer (IARC) as carcinogenic to humans by inhalation (group 1).

Chronic Effects: May cause cancer by inhalation. Toxic: danger of serious damage to health by prolonged exposure through inhalation. Repeated, prolonged or concentrated inhalation of respirable crystalline silica dust may cause silicosis or other serious delayed lung injury. The onset of silicosis is usually slow and lung damage may occur even when symptoms or signs of ill health have occurred.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not applicable.

Persistence and degradability: Not applicable.

Bioaccumulative potential: Not applicable.

Mobility in soil: Not applicable.

Environmental protection: Prevent this material from entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Disposal Considerations: Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This product can be disposed through a licensed commercial waste collection service. The product should be rendered as non-hazardous before being sent to a licensed landfill facility.

Do not dispose directly into the sewage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected. Personal protective clothing and equipment as specified in Section 8 of this Safety Data Sheet must be worn during handling or disposal of this product. The ventilation requirements as specified in the same section must also be followed and the precautions given in Section 7 of this Safety Data Sheet regarding handling must also be followed.

Do not dispose into sewage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected.

Container Disposal: The container or package must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance, the package can be disposed of through a commercial waste collection service. Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous.

14. DISPOSAL CONSIDERATIONS

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Marine Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Air Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

15. REGULATORY INFORMATION

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

National regulations

Australia

Classified as a hazardous chemical in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS).
See section 8 for national exposure control parameters.

Classification of the chemical

Carcinogenicity – Category 1

Specific Target Organ Toxicity: Repeated Exposure – Category 1

Hazard statement(s)

H350: May cause cancer.

H372: Causes damage to organs through prolonged or repeated exposure.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Not classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP).

Hazard Category: Toxic

16. OTHER INFORMATION

Reason(s) for Issue: Revised.

Issuing Date: 15-Dec-2023

This Safety Data Sheet has been prepared by RJM Distribution Pty Ltd.

Key literature references and sources for data used to compile the SDS

EPA (Environmental Protection Agency)
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australian Industrial Chemicals Introduction Scheme (AICIS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)

SAFETY DATA SHEET



Revision Date: 15-Dec-2023

Revision Number: 2

New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Disclaimer

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since RJM Distribution cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact their RJM Distribution representative or RJM Distribution at the contact details on page 1. RJM Distribution's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

End of Safety Data Sheet