



Safety Data Sheet

according to WHS Regulations

Printing date 08.02.2017

Revision: 08.02.2017

1 Identification

Product Name: GALAXY CEILING TILES

Other Means of Identification: Mixture

Other Name: Water Felted Mineral Fibre Ceiling Panel

Recommended Use of the Chemical and Restriction on Use: Ceiling Tiles

Details of Manufacturer or Importer:

USG Boral Building Products Pty Limited (ACN 004 231 976)

251 Salmon St

Port Melbourne, VIC, 3207

Phone Number: 03 9214 2138

Emergency telephone number: National Poison Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified according to the Globally Harmonised System (GHS).

Signal Word Void

Hazard Statements Void

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

93763-70-3	Perlite		5 - 75%
9004-34-6	Cellulose		1 - 25%
9005-25-8	Starch		5 - 15%
1332-58-7	Kaolin		0 - 15%
14808-60-7	Quartz (SiO ₂)	Carcinogenicity 1A, H350; STOT RE 1, H372	<5%

Additional information: The value for quartz represents the total amount, not the respirable fraction.

4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Do not rub or scratch eyes. Seek medical attention if symptoms occur.

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Ingestion:

If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause irritation to the nose, throat and upper respiratory tract. Excessive inhalation may cause laboured breathing. Persons exposed to high concentrations of dust may experience coughing and sneezing and may be forced to leave the area.

Skin Contact: May cause skin irritation and abrasion.

Eye Contact: May cause mechanical irritation, burning and redness.

Ingestion: May cause gastrointestinal irritation.

5 Fire Fighting Measures

Suitable Extinguishing Media:

Use fire extinguishing methods suitable to surrounding conditions, such as water.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon, carbon particles and other decomposition products derived from the pyrolysis of organic materials.

Product is not flammable.

Product close to fire should be removed if safe to do so.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved dust/particulate filter respirator and suitable protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Pick up large pieces and clean up the small pieces and dusts with a vacuum or by sweeping.

7 Handling and Storage

Precautions for Safe Handling:

Remove any materials that are suspected of being exposed to moisture and considered conducive to mould growth.

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Protect from moisture and high humidity. Protect from physical damage. Keep out of the weather.

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8 Exposure controls and personal protection

Exposure Standards:	
93763-70-3 Perlite	
WES	TWA: 10 mg/m ³
9004-34-6 Cellulose	
WES	TWA: 10 mg/m ³
9005-25-8 Starch	
WES	TWA: 10 mg/m ³
1332-58-7 Kaolin	
WES	TWA: 10 mg/m ³
14808-60-7 Quartz (SiO₂)	
WES	TWA: 0.1 mg/m ³ respirable dust

Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

Respiratory Protection:

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Skin protection is not required under normal use conditions.

Leather/pigskin, neoprene or nitrile gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting hand protection, the product should comply with relevant performance criteria. For example, gloves should meet a suitable level of abrasion resistance to provide protection against hazards of a workplace.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Solid
Colour:	White or coloured surface, beige or grey core
Odour:	No information available
Odour Threshold:	No information available
pH-Value:	~9
Melting point/freezing point:	1200 °C
Initial Boiling Point/Boiling Range:	Not applicable
Flash Point:	Not determined
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Not determined
Decomposition Temperature:	Not determined.

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Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable
Relative Density:	~2.9
Vapour Density:	Not applicable
Evaporation Rate:	Not applicable
Solubility in Water:	Very low
Partition Coefficient (n-octanol/water):	Not applicable

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Excessive moisture and high humidity.

Incompatible Materials: No further relevant information available.

Hazardous Decomposition Products:

Oxides of carbon, carbon particles and other decomposition products derived from the pyrolysis of organic materials.

11 Toxicological Information**Toxicity:****LD₅₀/LC₅₀ Values Relevant for Classification:****1317-65-3 Limestone**

Oral	LD ₅₀	6450 mg/kg (rat)
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Acute Health Effects**Inhalation:**

May cause irritation to the nose, throat and upper respiratory tract. Excessive inhalation may cause laboured breathing. Persons exposed to high concentrations of dust may experience coughing and sneezing and may be forced to leave the area.

Skin: May cause skin irritation and abrasion.

Eye: May cause mechanical irritation, burning and redness.

Ingestion: May cause gastrointestinal irritation.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Silica dust, crystalline, in the form of quartz or cristobalite is classified by IARC as Group 1 - Carcinogenic to humans.

Slag wool and polyvinyl acetate are classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

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Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:**

The prolonged and repeated exposure (by inhalation) to respirable (crystalline) silica cause silicosis, a debilitating lung disease. The crystalline silica dust is practically insoluble in body fluids and can be deposited in lungs. Cigarette smoking can reduce the clearance of crystalline silica. The data indicate that the relative lung cancer risk is increased for people with silicosis.

Existing Conditions Aggravated by Exposure:

Pre-existing respiratory conditions such as emphysema, bronchitis or asthma and skin conditions such as dermatitis may be aggravated by exposure to this product.

Additional toxicological information: No information available

12 Ecological Information

Ecotoxicity: No adverse ecological effects are expected.**Aquatic toxicity:** No further relevant information available.**Persistence and Degradability:** No further relevant information available.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.**Other adverse effects:** No further relevant information available.

13 Disposal considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport information

UN Number Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated

15 Regulatory information

Australian Inventory of Chemical Substances:

10101-41-4	Calcium sulfate, dihydrate
65997-17-3	Glass, oxide
93763-70-3	Perlite
9004-34-6	Cellulose
9005-25-8	Starch
1332-58-7	Kaolin
1317-65-3	Limestone
16389-88-1	Dolomite

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14808-60-7	Quartz (SiO ₂)
9003-20-7	Poly(vinyl acetate)
24937-78-8	Acetic acid, ethenyl ester, copolymer with ethene

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not Scheduled.

16 Other information

Date of Preparation or Last Revision: 08.02.2017

Prepared by: MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percent

LD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Carcinogenicity 1A: Carcinogenicity – Category 1A

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016"

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