

**FOR FURTHER INFORMATION, PLEASE REFER TO THE SDS FOLLOWING**

Issue: September 2023

**PRODUCT:** Talc 325 PGGW  
**Other Names:** Hydrated magnesium silicate  
**Uses:** Filler  
**Signal Word:** No signal word

|                              |     |
|------------------------------|-----|
| <b>UN No.</b>                | N/R |
| <b>Dangerous Goods Class</b> | N/R |
| <b>Subsidiary Risk</b>       | N/R |
| <b>Pack Group</b>            | N/R |
| <b>Hazchem</b>               | N/R |

|                                  |                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Hazardous Nature:</b>         | This product is not classified as hazardous under GHS 7 criteria                                              |
| <b>Hazardous Classification:</b> | No GHS Hazard Classification applies                                                                          |
| <b>HSNO Approval Number:</b>     | None                                                                                                          |
| <b>NZ Exposure Standards:</b>    | TWA: Talc (containing no asbestos fibres): 2 mg/m <sup>3</sup> (respirable dust): STEL: No values established |

**Physical Characteristics (Typical)**

**Section 9 of SDS**

|                               |                                         |
|-------------------------------|-----------------------------------------|
| Appearance                    | White/off-white/cream/gray powder       |
| Boiling Point/ Range (°C):    | Not available                           |
| Flash Point (°C):             | Not applicable                          |
| Density (g/cm <sup>3</sup> ): | 2.5-2.8                                 |
| Chemical Stability:           | Stable at room temperature and pressure |

**Product Ingredients**

**Section 3 of SDS**

|           |            |      |
|-----------|------------|------|
| Talc      | 14807-96-6 | 100% |
| Contains: | -          |      |
| Dolomite  | 16389-88-1 |      |
| Chlorite  | 1318-59-8  |      |

For further ingredients information, please refer to the full SDS.

**GHS Pictograms**

**Section 2 of SDS**

N/A: not hazardous

For further risk and safety information, please refer to the full SDS.

**DEFINITIONS**

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dangerous Goods</b>     | Products that are classified as Dangerous for Storage and Transport: these products are allocated a UN No., with accompanying Class, Pack Group, and Sub. Risk, if required. Products that do not have a specific description under the code, but have low flash points, or such, must be classified under their most significant risk, eg. Flammable Goods N.O.S. (Not otherwise specified), UN 1993. Products not classed as Dangerous Goods are designated as not regulated for transport or N/R (non-regulated). |
| <b>Hazardous Substance</b> | Products are considered to be Hazardous if they pose an intrinsic risk to human or environmental health, such as mutagens (able to change DNA), teratogens (able to result in birth defects), carcinogens (able to generate cell abnormalities), etc. Materials classified with risks such as potential for misuse, like flammability, or explosions when heated and ignited, may be both classed as Dangerous Goods and Hazardous Substances.                                                                       |

**1. IDENTIFICATION**

|                          |                                                                      |
|--------------------------|----------------------------------------------------------------------|
| Product Name:            | Talc 325 PGGW                                                        |
| Other Names:             | Hydrated magnesium silicate                                          |
| Chemical Family:         | Mineral                                                              |
| Recommended Use:         | Filler                                                               |
| Manufacturer:            | SKKU Minerals India Pvt. Ltd.                                        |
| Supplier:                | ASCC Limited                                                         |
| Street Address:          | 112A Bush Road, Rosedale, Auckland, New Zealand                      |
| Telephone:               | (09) 966 2447                                                        |
| Emergency phone:         | <b>0800 243 622 (24 hours)</b><br><b>+64 4 917 9888 (Outside NZ)</b> |
| National Poisons Centre: | 0800 764 766                                                         |

**2. HAZARDS IDENTIFICATION****Hazardous Nature**

This product is not classified as hazardous under GHS 7 criteria

**Hazardous Classification**

No GHS Hazard Classification applies

**GHS Pictograms**

N/A: not hazardous

**Signal Word** No signal word

**Dangerous Goods Classification** N/R

**Hazard Statements**

Not hazardous: intentionally left blank

**Precautionary Statements**

Not hazardous: intentionally left blank

**3. COMPOSITION: Information on Ingredients**

| Chemical Ingredient | CAS No.    | Proportion (%v/v) |
|---------------------|------------|-------------------|
| Talc                | 14807-96-6 | 100               |
| Contains:           | -          |                   |
| Dolomite            | 16389-88-1 |                   |
| Chlorite            | 1318-59-8  |                   |

**4. FIRST AID MEASURES**

For advice, contact National Poisons Centre (Phone New Zealand: 0800 764 766) or a doctor.

**Inhalation**

Move the victim to fresh air and keep at rest in a position comfortable for breathing. Remove contaminated clothing and place downwind. Watch for effects of breathing difficulty, shortness of breath, or blueness of skin (cyanosis). Seek urgent medical attention if this occurs. Give oxygen if breathing is difficult and begin artificial respiration if breathing has stopped.

**Skin/Hair Contact**

Wash with soap and water. Seek medical attention if any irritation occurs

**Eye Contact**

Hold eyelids apart and flush the eye with running water for at least 15 minutes. Seek medical attention if irritation persists

**Ingestion**

Wash mouth with water. Do not induce vomiting. Seek medical attention if concerned or if large amount has been consumed.

**Most Important Symptoms and Effects**

Following inhalation of dust, symptoms may include coughing, sneezing and difficulty of breathing.

**First Aid facilities**

Provide eye baths and safety showers.

**Medical Attention**

Treat according to symptoms.

**5. FIRE FIGHTING MEASURES**

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing firefighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

**Suitable Extinguishing Media**

Use extinguishing media appropriate for the surrounding fire conditions

**Specific Hazards Arising from the Material**

None identified

**Hazards from combustion products**

None identified

**Fire-fighting Precautions**

No specific precautions advised.

**Special Protective Equipment**

Full protective clothing and self contained breathing apparatus

**Hazchem Code:** N/R

**6. ACCIDENTAL RELEASE MEASURES****Emergency Procedures**

Prevent material from escaping to drains and waterways. Contain leaking packaging in a containment vessel. Prevent vapours from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

**Personal Precautions**

Wear protective clothing to avoid contact with eyes and skin. Use suitable protection to avoid breathing in dusts (e.g. dust respirator). Work upwind or increase ventilation

Take care: material is slippery when spilled.

**Environmental Precautions**

Prevent spillage from entering drains or water courses.

**Methods and Materials for Containment**

Clean up spills with a damp cloth or vacuum cleaner. Avoid generation of dust.

**Major land spill**

- Eliminate sources of ignition
- Warn occupants of downwind areas of possible fire/explosion or toxicity hazard
- Prevent product from entering sewers, watercourses, or low-lying areas
- Keep the public away from the area
- Shut off the source of the spill if possible and safe to do so
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation
- Take measures to minimise the effect on ground water
- Contain any spilled liquid with sand or earth
- Recover liquid spills by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material
- Recover solid spills by mechanical collection methods; cover and prevent dusts or particles from spreading – consider wetting the product down, without diluting it – and vacuum or sweep up
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations
- See "First Aid Measures" and "Stability and Reactivity"

**Major water spill**

- Eliminate any sources of ignition
- Warn occupants and shipping in downwind areas of possible fire/explosion or toxicity hazard
- Notify the port or relevant authority and keep the public away from the area
- Shut off the source of the spill if possible and safe to do so
- Confine the spill if possible
- Remove the product from the surface by skimming or with suitable absorbent material
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations

- See "First Aid Measures" and "Stability and Reactivity".

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid skin and eye contact while using this material. Avoid breathing dusts. Avoid generation of excess dust.

### Conditions for safe storage

Store in tightly closed original container in a dry, cool and well-ventilated place.

### Storage compatibility

None identified

See also: Section 10 – Stability and Reactivity for further information on incompatible materials

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Standards

**New Zealand:** *Workplace Exposure Standards and Biological Exposure Indices, Edition 13: April 2022*

TWA: Talc (containing no asbestos fibres): 2 mg/m<sup>3</sup> (respirable dust)

STEL: No values established

Advisory information: None

**Australia:** *Workplace Exposure Standards for Airborne Contaminants, 16 December 2019*

TWA: Not determined

STEL: Not determined

Advisory information: Not determined

### **International:**

None identified

The time weighted average (TWA) exposure standard is the highest allowable average airborne concentration of a particular substance when calculated over an eight-hour working day.

The short-term exposure limit (STEL) exposure standard is the maximum allowable exposure concentration for a substance during any 15-minute period in the working day.

Products may be identified as carcinogens, respiratory or skin sensitisers, ototoxins, or easily absorbed to the skin according to the below notations.

**6.7A/Carcinogen Category 1:** Known or presumed human carcinogen

**6.7B/Carcinogen Category 2:** Suspected human carcinogen

**Carc 1A:** Known to have carcinogenic potential for humans

**Carc. 1B:** Presumed to have carcinogenic potential for humans

**Carc. 2:** Suspected human carcinogen

**Skin/Sk:** Substance is considered to have potential for significant skin absorption, risking overexposure

**Oto:** Substance can cause hearing loss. This may be in conjunction with noise exposure or without concurrent noise exposure. Risk may be via inhalation or skin absorption.

**Sen:** Substance is identified as having potential to cause respiratory and/or dermal sensitisation – an allergic reaction or hypersensitivity affecting skin (dsen) or respiratory system (rsen). High exposure may hasten the onset of the allergy, but once developed in an individual, very low exposures can provoke a significant reaction.

### Biological Limit Values

No values established

### Engineering Controls

Provide adequate ventilation of the work area.

### Personal Protective Equipment

**Respiratory protection:** In case of dust formation, wear a mask with particle filter.

**Recommended filter type:** Particle filter

Refer to AS/NZS 1715: *Selection, Use and Maintenance of Respiratory Equipment* and AS/NZS 1716: *Respiratory Protective Devices* for further details on the use of respiratory protective equipment.

**Eye protection:** Safety glasses are recommended

**Skin/ body protection:** Wear chemical resistant gloves and protective clothing (long sleeves and long trousers or coveralls, and enclosed footwear or safety boots)

9. PHYSICAL AND CHEMICAL PROPERTIES

| Property                               | Unit of measurement | Typical value                     |
|----------------------------------------|---------------------|-----------------------------------|
| Appearance                             | -                   | White/off-white/cream/gray powder |
| Odour                                  | -                   | Odourless                         |
| Odour threshold                        | ppm                 | Not available                     |
| Melting Point/Freezing Point           | °C                  | >1300                             |
| Boiling Point/ Range                   | °C                  | Not available                     |
| Flash Point                            | °C                  | Not applicable                    |
| Flammability                           | -                   | Not flammable                     |
| Explosive Limits (LEL – UEL)           | %                   | Not available – Not available     |
| Vapour Pressure                        | kPa                 | Not applicable                    |
| Vapour Density                         | kPa                 | Not applicable                    |
| Density                                | g/cm <sup>3</sup>   | 2.5-2.8                           |
| Autoignition Temperature               | °C                  | Not available                     |
| Decomposition Temperature              | °C                  | Not available                     |
| pH (wt. 10% solids)                    | -                   | 9-10                              |
| Kinematic Viscosity                    | cSt                 | Not applicable                    |
| Solubility with Water                  | % w/w               | Insoluble                         |
| Other Solubility                       | % w/w               | Not available                     |
| Partition Coefficient: n-octanol/water | -                   | Not available                     |
| Particle Characteristics               | -                   | Not available                     |
| Percent Volatiles                      | %                   | 0                                 |
| Other Information                      | -                   | -                                 |

The values listed are indicative of this product’s physical and chemical properties. For a full product specification, please consult the Product Data Sheet.

10. STABILITY AND REACTIVITY

Reactivity

No reactivity hazards identified

Chemical Stability

Stable at room tempeature and pressure

Conditions to Avoid

None in particular. However the usual precautions used for chemical products should be respected

Incompatible materials

None identified

Hazardous Decomposition Products

None known

Hazardous Reactions

None known

Hazardous Polymerisation

Not anticipated to occur

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

No adverse effects expected, however large amounts may cause gastrointestinal irritation, nausea and vomiting

Inhalation

Breathing in dust may result in respiratory irritation. Acute aspiration of talc causes cough, dyspnea, sneezing, vomiting, cyanosis and pulmonary oedema which may be delayed by up to several hours. It may produce permanent effects in the lungs.

**Skin Contact**

Contact with the skin may cause irritation. Avoid contact with broken skin as the product can contaminate the wound and cause a severe granulomatous reaction.

**Eye Contact**

Exposure may cause eye irritation or discomfort due to particulate nature.

**Chronic Effects**

Prolonged or concentrated inhalation may cause talcosis, a pulmonary fibrosis which may in turn lead to severe and permanent damage to the lungs. Effects may include shortness of breath and coughing.

(Talc pneumoconiosis: a pathologic and mineralogic study. Hum Pathol. 1992 Dec;23 (12):1344-54)

Repeated or prolonged skin contact may cause dryness and dermatitis.

**Other Health Effects Information**

No additional information available

**Toxicological Information**

**Acute Toxicity - Oral:** Not classified as acutely toxic by ingestion

LD<sub>50</sub>: No data available

**Acute Toxicity – Dermal:** Not classified as acutely toxic by skin contact

LD<sub>50</sub>: No data available

**Acute Toxicity – Inhalation:** Not classified as acutely toxic by inhalation

LC<sub>50</sub>: No data available

**Skin Corrosion/Irritation:** Not classified

**Serious Eye damage/irritation:** Not classified

**Respiratory or Skin Sensitisation:** Not classified

**Germ cell mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (STOT) – Single Exposure:** Not classified

**Specific Target Organ Toxicity (STOT) – Repeated Exposure:** Not classified

**Aspiration Hazard:** Not classified

**12. ECOLOGICAL INFORMATION****Ecotoxicity****Aquatic Toxicity**

Not classified as hazardous to the aquatic environment.

Fish toxicity: No data available

Crustacean toxicity): No data available

Algae toxicity: No data available

**Terrestrial Ecotoxicity**

Not classified as hazardous to the terrestrial environment

**Persistence/Degradability**

This product is of mineral origin and is not biodegradable

**Bioaccumulative Potential**

No data available

**Mobility in Soil**

No information available

**Other adverse effects**

No additional adverse effects identified

**13. DISPOSAL CONSIDERATIONS****Disposal Methods**

Disposal of hazardous waste must be carried out in compliance with all applicable regional and national regulations. This product is

NOT suitable for disposal by domestic landfill or via municipal sewers, drains, natural streams or rivers. It must be disposed as chemical waste in accordance with the local authority.

Ensure that disposal of this product and its packaging is in accordance with the Hazardous Substances (Disposal) Notice 2017.

Refer to Section 8 of this SDS for precautions before carrying out disposal or recycling activities.

Product Disposal

Dispose of product as chemical waste via a licenced service provider.

Packaging Disposal

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities.

14. TRANSPORT INFORMATION

| Road and Rail Transport<br>(NZS 5433) |     | Marine Transport<br>(IMDG) |     | Air Transport<br>(IATA) |     |
|---------------------------------------|-----|----------------------------|-----|-------------------------|-----|
| UN No.                                | N/R | UN No.                     | N/R | UN No.                  | N/R |
| Proper Shipping Name                  | N/R | Proper Shipping Name       | N/R | Proper Shipping Name    | N/R |
| DG Class                              | N/R | DG Class                   | N/R | DG Class                | N/R |
| Sub. Risk                             | N/R | Sub. Risk                  | N/R | Sub. Risk               | N/R |
| Packing Group                         | N/R | Packing Group              | N/R | Packing Group           | N/R |

Dangerous Goods Segregation

This product is not regulated for transport.

Environmental Hazards

Marine Pollutant: No

Special Precautions

-

Additional Information

-

Hazchem Code: N/R

Marpol 73/78 Convention – Annex II

Product Name: Not applicable

Ship Type: -

Pollution: -

15. REGULATORY INFORMATION

Country/ Region: New Zealand

Inventory: New Zealand Inventory of Chemicals (NZIoC)

Status: Listed in NZIoC

HSNO Approval:

None: Not applicable

Classification

GHS classification: No GHS Hazard Classification applies

Equivalent HSNO classification: None

HSNO/HSWA Controls:

Not applicable

Certified Handler: Not required

Tracking: Not required

Restriction to workplace: Not applicable

Signage: Not required

Fire extinguishers: Not required

Emergency Response Plan: Not required

**Secondary containment:** Not required

**Hazardous Substance Location requirements:** Not required

**Agricultural Compounds and Veterinary Medicines Act 1997 (ACVM)**

Not applicable

**International Agreements**

**Montreal Protocol on Substances that Deplete the Ozone Layer:** Not applicable

**Stockholm Convention:** Not applicable

**Rotterdam Convention:** Not applicable

**Basel Convention:** Not applicable

**International Inventory Status:**

**Australian Inventory of Industrial Chemicals:** Not determined

**International Inventories:**

Not determined

## 16. OTHER INFORMATION

**SDS Version Number:** 2.0

**Reasons for Issue:** 5 year review and update to GHS format

**Replaces SDS dated:** 16 November 2018

**New SDS issue date:** 28 September 2023

**Abbreviations:**

ACGIH: American Conference of Governmental Industrial Hygienists

AS/NZS: Standards Australia & Standards New Zealand

BCF: Bioconcentration Factor

BEI: Biological Exposure Index

CAS: Chemical Abstracts Service

CCID: Chemical Classification and Information Database

EC<sub>50</sub>: Effective Concentration, 50 per cent

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GHS 7: Globally Harmonised System of Classification and Labelling of Chemicals, 7th revised edition, 2017, published by the United Nations

HSNO: Hazardous Substances and New Organisms Act 1996

HSWA: Health and Safety at Work Act 2015

IARC: International Agency for Research on Cancer

IC<sub>50</sub>: Half Maximal Inhibitory Concentration

LC<sub>50</sub>: Lethal Concentration, 50 per cent

LD<sub>50</sub>: Lethal Dose, 50 per cent

LEL: Lower Explosive Limit

LOAEL: Lowest-observed-adverse-effect level

N/R: Not Regulated

NOAEL: No-observed-adverse-effect-level

NOEC: No Observed Effect Concentration

NZIoC: New Zealand Inventory of Chemicals

NZS 5433 New Zealand Standard Transport of Dangerous Goods on Land

OECD: Organisation for Economic Co-operation and Development

STEL: Short-Term-Exposure Limit

TLV: Threshold Limit Value

TWA: Time-Weighted Average

UEL: Upper Explosive Limit

**References:**

- Supplier Safety Data Sheets

- EPA CCID <https://www.epa.govt.nz/database-search/chemical-classification-and-information-database-ccid/>
- Workplace Exposure Standards and Biological Exposure Indices. 12th Edition, published by WorkSafe New Zealand November 2020. <https://worksafe.govt.nz/topic-and-industry/work-related-health/monitoring/exposure-standards-and-biological-exposure-indices>
- US NLM ChemIDPlus: <https://chem.nlm.nih.gov/chemidplus/>
- OECD eChemPortal Substance Search <https://www.echemportal.org/echemportal/>

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact ASCC Limited.