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SAFETY DATA SHEET

Whiting Powder

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **Whiting Powder**

Recommended use: Manufacture of paints, varnishes and similar coatings, printing ink and mastics; Chemical-Technical Industry; Manufacture of rubber products; Manufacture of plastics products; Manufacture of paper and paperboard; Manufacture of soap and detergents, cleaning and polishing mixtures; Building and construction work; Filling; Mixing; Filler or Pigment; Building and construction mixtures not covered elsewhere; Water treatment chemical

Restrictions on use: For industrial use only. Other industries not mentioned are excluded.

Product Code: 29-WTS/, 29-WTS/1, 29-WTS/4, 29-WTS/3, 29-WTS/2, 29-WTS/20

Supplier: NFK Glazing & Industrial Supplies Ltd

Address: 28 Devlan Street, Mansfield, QLD 4122

Contact phone: +61 7 3343 3377

Emergency phone: 1800 033 111

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Carcinogenicity (Inhalation) : Category 1A

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H350 May cause cancer by inhalation.

Precautionary statements :

Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P281 Use personal protective equipment as required.

Response:

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance
 Substance name : Calciumcarbonate GCC f powder
 CAS-No. : 1317-65-3

Components

Chemical name	CAS-No.	Concentration (% w/w)
Natural Calcium Carbonate	1317-65-3	>= 98 -< 99
quartz (SiO ₂) (Respirable fraction)	14808-60-7	>= 0.1 -< 1

SECTION 4. FIRST AID MEASURES

If inhaled	:	Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.
In case of skin contact	:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
In case of eye contact	:	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.
If swallowed	:	Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	:	None known.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific extinguishing methods	:	Standard procedure for chemical fires.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Avoid dust formation.
Environmental precautions	:	No special environmental precautions required.
Methods and materials for containment and cleaning up	:	Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.
Advice on safe handling	:	For personal protection see section 8. No special handling advice required.
Hygiene measures	:	General industrial hygiene practice.
Conditions for safe storage	:	Keep container tightly closed in a dry and well-ventilated place.
Materials to avoid	:	Do not store near acids.
Further information on storage stability	:	Keep in a dry place. No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Natural Calcium Carbonate	1317-65-3	TWA	10 mg/m ³ (Calcium carbonate)	AU OEL
Further information: This value is for inhalable dust containing no asbestos and < 1% crystalline silica				
quartz (SiO ₂) (Respirable fraction)	14808-60-7	TWA (Respirable dust)	0.05 mg/m ³	AU OEL
Further information: Category 1A (Carc. 1A) Known to have carcinogenic potential for humans				

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Half mask with a particle filter P2 (EN 143)

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.
Eye protection : Safety glasses
Skin and body protection : Protective suit

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder

Colour : white

Odour : characteristic

Odour Threshold : Not relevant

pH : 8.5 - 9.5 (20 °C)
Concentration: 100 g/l
Method: DIN-ISO 787/9

Melting point/range : > 800 °C
(1,013 hPa)
Decomposition: Decomposes below the melting point.

Boiling point/boiling range : Decomposition: Decomposes below the boiling point.

Flash point : does not flash

Flammability (solid, gas) : The product is not flammable.

Burning number : 1

Upper explosion limit / Upper flammability limit	:	Upper flammability limit Not applicable
Lower explosion limit / Lower flammability limit	:	Lower flammability limit Not applicable
Vapour pressure	:	Not applicable
Density	:	2.3 - 2.8 g/cm ³ (20 °C, 1,013 hPa) Method: DIN-ISO 787/10
Solubility(ies) Water solubility	:	0.014 g/l (20 °C, 1,013 hPa)
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	> 600 °C
Explosive properties	:	Not explosive Not explosive
Minimum ignition energy	:	> 1,000 mJ (20 °C, 1,013 hPa)

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable under recommended storage conditions.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Stable under recommended storage conditions. No decomposition if used as directed. Reacts with acids. It forms carbon dioxide (CO ₂). This displaces the oxygen in the air in closed spaces. (danger of suffocation).
Conditions to avoid	:	No data available
Hazardous decomposition products	:	Carbon dioxide (CO ₂)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg

Components:

Natural Calcium Carbonate:

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg

Respiratory or skin sensitisation

Product:

No data available

Chronic toxicity**Carcinogenicity****Components:****quartz (SiO₂) (Respirable fraction):**

Carcinogenicity - Assessment : Positive evidence from human epidemiological studies (inhalation)

STOT - repeated exposure**Components:****quartz (SiO₂) (Respirable fraction):**

Exposure routes : Inhalation

Target Organs : Lungs

Assessment : May cause damage to organs through prolonged or repeated exposure.

Further information**Product:**

No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 10,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : NOEC (Desmodesmus subspicatus (green algae)): 75 mg/l
Exposure time: 72 h

EC50 (Desmodesmus subspicatus (green algae)): 289 mg/l
Exposure time: 72 h

Components:**Natural Calcium Carbonate:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 10,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	: NOEC (Desmodesmus subspicatus (green algae)): 75 mg/l Exposure time: 72 h
	: EC50 (Desmodesmus subspicatus (green algae)): 289 mg/l Exposure time: 72 h

Components:**Natural Calcium Carbonate:**

Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): > 10,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	: EC50 (Desmodesmus subspicatus (green algae)): > 200 mg/l Exposure time: 72 h

quartz (SiO₂) (Respirable fraction):

Toxicity to fish	: No toxicity at the limit of solubility
Toxicity to daphnia and other aquatic invertebrates	: No toxicity at the limit of solubility
Toxicity to algae/aquatic plants	: No toxicity at the limit of solubility
Toxicity to microorganisms	: No toxicity at the limit of solubility

Persistence and degradability**Product:**

Biodegradability	: Not applicable
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Components:**quartz (SiO₂) (Respirable fraction):**

Biodegradability	: Result: Not biodegradable
Biochemical Oxygen Demand (BOD)	: Not applicable
Chemical Oxygen Demand (COD)	: Not applicable

Bioaccumulative potential**Components:****Natural Calcium Carbonate:**

Partition coefficient: n-octanol/water	: Not applicable
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quartz (SiO₂) (Respirable fraction):

Bioaccumulation	: This substance is not considered to be persistent, bioaccumulating and toxic (PBT).
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Partition coefficient: n-octanol/water : Not applicable

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : In solid state these minerals are a major part of the rocks of the earth's surface. They are dissolved in a natural state and indispensable part of the natural waters. These minerals are not biodegradable. Negative effects on the environment should therefore be excluded. Restrictions may indicate that concentrated suspensions with these minerals in natural waters may have an unfavorable effect on water organisms (disturbance of the micro flora and fauna in the sediment and subsequent detriment to the existence of higher water organisms).

Components:

Natural Calcium Carbonate:

Results of PBT and vPvB assessment : Non-classified PBT substance Non-classified vPvB substance

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging : Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.


National Regulations

Not applicable for product as supplied.

SECTION 15. REGULATORY INFORMATION

NFK Glazing
& Industrial Supplies


www.nfk.com.au

 28 Devlan Street,
Mansfield, QLD 4122

 07 3343 3377

 sales@nfk.com.au

 42 Tacoma Circuit,
Canning Vale, WA 6155

 08 9455 3866

 wasales@nfk.com.au

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

Standard for the Uniform Scheduling of Medicines and Poisons : No poison schedule number allocated

SECTION 16. OTHER INFORMATION

Revision Date : 25.11.2020
Date format : dd.mm.yyyy

Full text of other abbreviations

AU OEL : Australia. Workplace Exposure Standards for Airborne Contaminants.

AU OEL / TWA : Exposure standard - time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule;

ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.