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SECTION 1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

Product Identifier

Product Name	KAOLIN CLAY Q38
Other Names	Unimin Clay Group 3, Q38, Q145, KO, K15GM
Proper Shipping Name	Kaolin Clay
Other means of Identification	None

Relevant identified uses of the substance or mixture

Relevant identified uses	Used in ceramic body and glazes, as a general purpose filler in paints, adhesives, rubber and paper, refractory's, electrode coatings, nutritional binder in livestock.

Details of the supplier of the safety data sheet

Registered company name	Vetpak Limited
Address	249 Bruce Berquist Dr, Te Awamutu 3800.
Telephone	(07) 870 2024
Website	www.vetpak.co.nz
Email	sales@vetpak.co.nz

Emergency telephone numbers

Association/ Organisation	New Zealand National Poison information centre
Emergency telephone number	0800 764 766 (07) 870 2024 Vetpak. 8.00am to 5.00pm Monday to Friday except public holidays.
Other emergency telephone numbers	New Zealand emergency services 111

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification:

Hazardous according to the criteria of the Globally Harmonised System of classification and labelling of chemicals (GHS)

Label pictograms

GHS label elements	
Signal Word	DANGER

Hazard statements

HSNO	Hazard Code	GHS Category	Hazard Statement
6.7A	H 350	Category 1	May cause cancer
6.9A	H 370	Category 1	Causes damage to organs

Precautionary statements prevention

P103	Read label 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/mist/vapours/spray
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/eye protection/ face protection

Precautionary statement responses

P307 + P311	IF exposed: Call a POISON CENTER or doctor/physician.
P308 + P313	IF exposed or concerned: Get medical advice/ attention
P321	In the case of (single exposure) with the substance, this statement applies if immediate measures are required.

Precautionary statement storage

P405	Store locked up

Precautionary statement disposal

P501	Disposal should be through a suitably qualified contractor following the EPA guidelines

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

CAS Number	% (weight)	Name
1318 – 74 – 7	> 60%	Kaolinite
Mixture	10 – 30%	Other materials
14808 – 60 – 7	< 10%	Quartz (crystalline silica)

SECTION 4 – FIRST AID MEASURES

Description of first aid measures

Eye contact	If this product comes in contact with eyes ➢ Wash out immediately with fresh running water for several minutes ➢ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel ➢ Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids ➢ If eye irritation persists seek medical attention
Skin contact	If skin or hair contact occurs ➢ Remove and isolate contaminated clothing and shoes ➢ Wash the affected area thoroughly with water and soap

	➢ If skin irritation or rash occurs get medical advice / attention
Inhalation	➢ Remove victim to fresh air and keep at rest in a position comfortable for breathing. ➢ If respiratory symptoms persist, get medical advice/attention.
Ingestion	➢ If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. ➢ Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious ➢ Seek medical advice.
Advice to the doctor	Show this safety data sheet (SDS) to the doctor in attendance. Treat symptomatically. Keep victim calm and warm. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing media

- Use appropriate fire extinguisher for surrounding materials involved in the fire. Do not use water jets.

Special hazards arising from the substrate or mixture

Fire incompatibility	Not considered a flammable product

Advice for fire fighters

Fire fighting	➢ Wear breathing apparatus plus protective gloves in the event of a fire. ➢ Prevent, by any means available, spillage from entering drains or water courses. Use fire fighting procedures suitable for surrounding area. ➢ DO NOT approach containers suspected to be hot. ➢ Equipment should be thoroughly decontaminated after use.
Fire/explosion hazard	➢ Smoke, fumes and dust may be generated in a large fire

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minor spills	➢ Clean up all spills immediately. ➢ Avoid breathing dusts and contact with skin and eyes. ➢ Control personal contact with the substance, by using protective equipment. ➢ Wipe up. Place in a suitable, labelled container for waste disposal.
Major spills	➢ Wash area and prevent runoff into drains or waterways. If contamination of drains or waterways occurs, advise emergency services.
Clean Up Procedures	➢ Contain and place in sealable containers
Containment	➢ Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. ➢ Avoid generating dust

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

	➢ Read label before use ➢ Limit all unnecessary personal contact. ➢ Wear protective clothing when risk of exposure occurs.

Safe Handling	➢ Use in a well-ventilated area. ➢ When handling DO NOT eat, drink or smoke. ➢ Always wash hands with soap and water after handling. ➢ Avoid physical damage to containers. Use good occupational work practice. ➢ Observe manufacturer's storage and handling recommendations contained within this SDS.
Other information	➢ Use site signage for large quantities ➢ Protect containers from damage and check regularly for leaks

Conditions for safe storage, including any incompatibilities

Suitable container	➢ Store away from incompatible materials listed ➢ Store locked up ➢ Check all containers are clearly labelled and free from leaks.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

General	The eight-hour time weighted average workplace exposure standard (WES) for respirable crystalline silica (RCS) is 0.20 mg/m^3.

Exposure controls

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level protection. The basic controls are: Process controls which involve changing the job activity or process to reduce risk Enclosure and or isolation source control keeping workers physically safe Ventilation that strategically adds and removes air in work environment. Ventilation can remove or dilute an air contaminant if designed properly
Personal protection	
Eye and face protection	➢ Safety glasses with side shields ➢ Contact lenses may pose a special hazard soft contact lenses may absorb and concentrate materials. ➢ Medical personal should be trained and readily available in the event of chemical exposure; they should begin eye irrigation and remove contact lenses as soon as practicable. Lenses should be removed at the first sign of eye irritation
Skin protection	Wear general protective gloves e.g. light weight rubber gloves
Hand / feet protection	As above for hands; wear appropriate footwear for the environment
Body protection	Overalls or PVC Aprons if available
Other protection	➢ Overalls ➢ PVC Aprons ➢ PVC protective gear ➢ Eyewash facilities ➢ Ensure there is ready access to a safety shower ➢ Non sparking footwear

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Dark , or white powder	Relative density (Water = 1)	Not available
Odour	Odourless	Specific gravity	2.63 – 2.69 (H_2O = 1)
Odour threshold	Not Available	Bulk density	Not available
pH	6.2 – 8.5 (20% aqueous slurry).	Viscosity	Not available
Melting point (^oC)	Not available	Decomposition Temperature	Not available
Boiling point (^oC)	Not available	Water Solubility	Insoluble
Flash point (^oC)	Not available	Explosive properties	Not available
Vapour pressure	Not Available	Oxidising properties	Not available
Flammability	Not flammable	Volatile component (% vol)	Not available

SECTION 10 – STABILITY AND REACTIVITY

General Information	Stable under normal conditions
Chemical stability	Stable
Conditions to avoid	None
Incompatible materials	None
Hazardous Polymerisation	Will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION

Inhalation	Inhalation may cause the drying and irritation of the respiratory tract. Acute aspiration may cause coughing, sneezing and pulmonary oedema.
Ingestion	Ingestion of large amounts may irritate the gastric tract causing nausea and vomiting. When ingested, bentonite can swell several times in volume and can produce intestinal obstruction.
Skin	Skin contact may cause dryness. May cause mild irritation in the case of some individuals with sensitive skin.
Eyes	Eye contact may cause mechanical irritation
Carcinogenicity	The product contains respirable crystalline silica as quartz (<10%). Crystalline silica inhaled in the form of quartz or crystobalite from occupational sources has been classified by International Agency for Research on cancer (IARC) as carcinogenic to humans (Group 1). Furthermore, crystalline silica can cause silicosis or other lung diseases on prolonged exposure.
Reproductive Toxicity	Not applicable
Germ Cell Mutagenicity	Not suspected of causing genetic defects.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity	Not known to be hazardous to the environment
Persistence/Degradability	No information available
Bioaccumulation Potential	No information available
Environmental Impact	No information available

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / packaging disposal	➢ Dispose of product only by using according to label or at an approved landfill. Recycle where possible. ➢ Do not contaminate bodies of water with chemical or empty container. Refer to the Local council bylaws and Land Waste Management Authority. ➢ Dissolved material in excess water is normally suitable for disposal in storm water system.

SECTION 14 – TRANSPORT INFORMATION

Labels required

Marine Pollutant	NO
HAZCHEM	Not Hazardous

Land transport (ADG)

UN Number	No data available
Packing group	No data available
UN proper shipping name	No data available
Environmental hazard	Not Hazardous
Transport hazard classes	No data available
Special precautions for user	No data available

Air transport (ICAO-IATA / DGR)

UN Number	No data available
Packing group	No data available
UN proper shipping name	No data available
Environmental hazard	Not Hazardous
Transport hazard classes	No data available
Special precautions for user	No data available

Sea transport (IMDG / GGVSee)

UN Number	No data available
Packing group	No data available
UN proper shipping name	No data available
Environmental hazard	Not Hazardous
Transport hazard classes	No data available
Special precautions for user	No data available
Marine Pollutant	No data available

SECTION 15 – REGULATORY INFORMATION

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

GHS Codes	6.7, 6.9A
National Inventory	Status
Australia – AICS	Yes
Europe – EINEC / ELINCS / NLP	Yes
New Zealand – NZIoC	Yes
	All ingredients are on the inventory

Environmental Protection Authority (New Zealand)	None known
Approval Code	None
Signage Trigger	None known
Emergency response Trigger	None known
Secondary containment	None known
Certified Handler	Not required
Restriction of use	None known

SECTION 16 – OTHER INFORMATION

While Vetpak Limited in good faith has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Vetpak Limited accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

New Zealand National Poison Information Centre: 0800 764 766
New Zealand Emergency Services: 111
Vetpak Limited: +64 7 870 2024

Definitions and abbreviations

PC – TWA	Permissible concentration – time weighted average
PC – STEL	Permissible concentration – short term exposure limit
IARC	International agency for research on cancer
ACGIH	American conference of Government Industrial Hygiene
STEL	Short term exposure limit
TEEL	Temporary emergency exposure limit
IDLH	Immediate dangerous to life or health concentration
OSF	Odour safety factor
NOAEL	No observed adverse effect level
LOAEL	Lowest observed adverse effect level
TLV	Threshold limit value
LOD	Limit of detection
OTV	Odour threshold value
BCF	BioConcentration factors

END OF SDS