



Safety Data Sheet

according to WHS Regulations

Printing date 23.05.2019

Revision: 23.05.2019

1 Identification

Product Name: 008 FILTRITE CALCIUM HARDNESS**Other Means of Identification:** Mixture**Recommended Use of the Chemical and Restriction on Use:**

Binder, coagulant, fire retardant, freezing point depressant, fungicide, preservative and sequestrant.

Details of Manufacturer or Importer:Clark Rubber
254 Canterbury Road
Bayswater VIC 3153**Phone Number:** +61 3 8727 9999**Emergency telephone number:** +61 3 8727 9999

2 Hazard(s) Identification

Hazardous Nature:

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)



Serious Eye Damage/Irritation 2A H319 Causes serious eye irritation.

Signal Word Warning**Hazard Statements**

H319 Causes serious eye irritation.

Precautionary Statements

P264 Wash hands thoroughly after handling.

P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 10043-52-4	Calcium chloride (CaCl ₂)	Serious Eye Damage/Irritation 2A, H319	74 - 80%
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4 First Aid Measures

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.**Skin Contact:**

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

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

(Contd. on page 2)

Safety Data Sheet

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Printing date 23.05.2019

Revision: 23.05.2019

Product Name: 008 FILTRITE CALCIUM HARDNESS

(Contd. of page 1)

Ingestion:

If swallowed, do not induce vomiting. Rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

Symptoms Caused by Exposure:

Inhalation: Dust may cause respiratory irritation.

Skin Contact: No adverse health effects expected.

Eye Contact: Causes serious eye irritation.

Ingestion: May cause gastrointestinal irritation or ulceration.

5 Fire Fighting Measures

Suitable Extinguishing Media: Water fog, fine water spray, foam, carbon dioxide or dry chemical powder.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include chlorine gas.

Reaction with metals may generate flammable hydrogen gas.

This product is not combustible.

Containers close to fire should be removed only 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 respiratory protection and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Product is slippery if spilt.

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:

Stop leak if safe to do so. Vacuum or sweep up spill and place in suitable containers for reuse or disposal.

Avoid generating dust. Clean up immediately to avoid accidents. Wash contaminated area with excess of water.

7 Handling and Storage

Precautions for Safe Handling:

Hazardous polymerisation may occur on contact with methyl vinyl ether. Reacts exothermically on dilution with water. Calcium chloride will corrode most metals. Reaction with metals may generate flammable hydrogen gas.

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. Prevent formation 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 and out of direct sunlight. Keep container tightly closed when not in use. Protect from heat and moisture. Keep away from metals such as zinc, sodium, aluminium and brass, sulphuric acid and methyl vinyl ether.

(Contd. on page 3)

Safety Data Sheet

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Printing date 23.05.2019

Revision: 23.05.2019

Product Name: 008 FILTRITE CALCIUM HARDNESS

(Contd. of page 2)

8 Exposure Controls and Personal Protection

Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Respiratory Protection: Respiratory protection is not required under normal use conditions.

Skin Protection: Skin protection is not required under normal use conditions.

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 - powder

Colour: White

Odour: Odourless

Odour Threshold: Not determined.

pH-Value: No information available

Melting point/freezing point: No information available

Initial Boiling Point/Boiling Range: No information available

Flash Point: Not applicable

Flammability: Non flammable

Auto-ignition Temperature: No information available

Decomposition Temperature: No information available

Explosion Limits:

Lower: Not applicable

Upper: Not applicable

Vapour Pressure: No information available

Density at 20 °C: 2.16 g/cm³

Vapour Density: Not applicable.

Evaporation Rate: Not applicable

Solubility in Water: Soluble in water

Partition Coefficient (n-octanol/water): No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions:

Hazardous polymerisation may occur on contact with methyl vinyl ether.

Reacts exothermically on dilution with water. Calcium chloride will corrode most metals.

Reaction with metals may generate flammable hydrogen gas.

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

Conditions to Avoid: Heat and moisture.

Incompatible Materials:

Metals such as zinc, sodium, aluminium and brass, sulphuric acid and methyl vinyl ether.

Hazardous Decomposition Products: Chlorine gas.

(Contd. on page 4)

Safety Data Sheet

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Revision: 23.05.2019

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(Contd. of page 3)

11 Toxicological Information

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****CAS: 10043-52-4 Calcium chloride (CaCl₂)**Oral LD₅₀ 1000 mg/kg (rat)**Acute Health Effects****Inhalation:** Dust may cause respiratory irritation.**Skin:** No adverse health effects expected.**Eye:** Causes serious eye irritation.**Ingestion:** May cause gastrointestinal irritation or ulceration.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Causes serious eye irritation.**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:** This product does NOT contain any IARC listed chemicals.**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.

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:**

Prolonged or repeated skin exposure may cause skin irritation and even burns. It may cause a more severe response if skin is damp and/or abraded, or if material remains on the skin.

Existing Conditions Aggravated by Exposure: No information available**Additional toxicological information:**

When being dissolved, the heat produced may cause more intense effects as well as thermal burns.

12 Ecological Information

Ecotoxicity:**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.

(Contd. on page 5)

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(Contd. of page 4)

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:

CAS: 10043-52-4	Calcium chloride (CaCl ₂)
CAS: 1305-62-0	Calcium hydroxide (Ca(OH) ₂)
CAS: 7732-18-5	Water

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

16 Other Information

Date of Preparation or Last Revision: 23.05.2019

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)
 Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

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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