



5. FIRE FIGHTING MEASURES

This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for that fire.

Special risks :Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Protection of Personnel Isolate area. Avoid contact with skin and eyes. May be a slipping hazard. Stop leak if safe to do so. Wash exposed body areas thoroughly after handling. Use appropriate safety equipment.

Protection of the environment

For small spills: Losses incidental to correct applications of this product in its intended uses are not expected to be harmful to the environment

For large Spills: Avoid contamination of drinking water, natural water, ground water or any waterway.

Losses incidental to correct applications of this product in its intended uses are not expected to be harmful to the environment

Cleanup: Collect material in a suitably labeled container. Flush residue with plenty of water.

7. HANDLING AND STORAGE.

Heat developed during dilution or dissolution is very high. Use cool water when diluting or dissolving (Temperature less than 27°C (80°F))

Store product in dry conditions. Transport product in tightly closed packages, protected against humidity.

Protect from atmospheric moisture.

Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection is necessary in circumstances where there is accidental or uncontained release of product.

Eye / Face Protective glasses For dusty operations or when handling solutions of this material wear chemical goggles

Skin Protection For brief contact, no precautions other than clean body-covering clothing should be needed. Use protective clothing impervious to this material. If skin comes into contact with contaminated clothing, remove clothing immediately, wash skin area with soap and water and launder clothing before reuse. If hands are cut or scratched, use gloves impervious to this material, even for brief exposure.

Respiratory protection Atmospheric levels should be below the exposure guidelines. When respiratory protection is required for certain operations use an approved air-purifying respirator.

In dusty atmospheres use an approved dust respirator

| | | |
|---------------------|--------------------|---------------------|
| Exposure guidelines | Calcium chloride | 10mg/m ³ |
| | Sodium chloride | 10mg/m ³ |
| | Potassium chloride | 10mg/m ³ |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|-----------------------|---------------------------|---------------------------------|
| Colour/Physical state | White to off white flakes | pH: 5.4 (1% solution) |
| Odor | None | Density: 1.85 g/cm ³ |
| Flashpoint | Not applicable | Melting point 345°F |

10. STABILITY AND REACTIVITY

IMPORTANT FOR YOUR PROTECTION

The information and recommendations contained herein are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty of representation in respect of safety in use, suitability, efficacy or otherwise including freedom from patent infringement. Users should make their own tests for their particular purpose. We cannot accept any liability for any loss, damage or infringement arising from the use of the information and recommendation contained herein



Chemical Stability Stable, hygroscopic

Incompatibility with other materials Corrosive to some metals. Avoid contact with metals such as brass, mild steel, aluminum or ferrous metals. Flammable hydrogen may be generated from contact of a solution with metals such as zinc or sodium. Avoid contact with sulfuric acid. Heat is generated when mixed with water. Splattering or boiling can occur.

Hazardous decomposition products Does not decompose

Hazardous polymerization Will not occur

11. TOXICOLOGICAL INFORMATION

Acute

Skin The LD50 for skin adsorption in rabbits is >5000mg/kg for CaCl₂

Ingestion The oral LD50 for rats is 967-1668 mg/kg for CaCl₂

Mutagenicity (Effects on Genetic Material) For CaCl₂ in vitro mutagenicity studies were negative

12. ECOLOGICAL INFORMATION

No environmental hazard is anticipated provided that the product is handled and disposed of with due care and attention.

13. DISPOSAL CONSIDERATIONS

Do not dump into any sewers, on the ground, or into any body of water

Product and contaminated packaging must be disposed of by deep burial, in accordance with local, state and federal authority regulations.

14. TRANSPORT INFORMATION

This product is not a dangerous good according to international regulations for transport.

US D.O.T. information

This product is not regulated by D.O.T. when shipped domestically by land

Canadian T.D.G. Information

This product is not regulated by T.D.G. when shipped domestically by land

15. REGULATORY INFORMATION

US Federal /European/International Regulations

Not classified as dangerous.

16. OTHER INFORMATION

The information contained in this safety data sheet, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendation or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use of this product. The information in this sheet does not represent analytical specifications, for which please refer to our technical data sheet.

Date of preparation 16/09/02

Issue no. 1

Final Page of

BREWERS' CALCIUM CHLORIDE

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