

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Substance
Substance name : B32 Ice Cracker
Chemical name : calcium chloride
EC index no : 017-013-00-2
EC no : 233-140-8
CAS No. : 10043-52-4

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Paragon Products (UK) Ltd.

Unit 1-2 Broombank Road
Sheepbridge, Chesterfield
S41 9QJ, United Kingdom
T +44 (0) 1246 944 866 sales@paragongroup.co.uk

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number
UNITED KINGDOM	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0870 600 6266 (UK only)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Eye Irrit. 2 H319

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R36

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning
Hazard statements (CLP) : H319 - Causes serious eye irritation
Precautionary statements (CLP) : P264 - Wash skin 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

2.3. Other hazards

No additional information available

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according to Regulation (EC) No. 453/2010

SECTION 3: Composition/information on ingredients

3.1. Substances

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Calcium Chloride	(CAS No.)10043-52-4 (EC no)233-140-8 (EC index no)017-013-00-2	77 - 100	Eye Irrit. 2, H319

Full text of R-, H- and EUH-phrases: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Personal Protection For The First Aider. Never give anything by mouth to an unconscious person.
- First-aid measures after inhalation : Remove to fresh air. Obtain medical attention if symptoms persist.
- First-aid measures after skin contact : Remove contaminated clothing. Wash with plenty of soap and water.
- First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes.
- First-aid measures after ingestion : Rinse mouth. Drink plenty of water. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Hydrogen chloride gas produced in a case of fire. Gives off hydrogen by reaction with metals.

5.3. Advice for firefighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid dust formation. Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Use mechanical handling equipment. Large spills: scoop solid spill into closing containers.

Other information : Dispose by an appropriate method. Do not discharge into drains or rivers.

6.4. Reference to other sections

No additional information available

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according to Regulation (EC) No. 453/2010

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep container tightly closed. Avoid spilling, skin and eye contact. Avoid creating dust. Provide good ventilation in process area to remove dust. Eye wash facilities and emergency shower must be available when handling this product. Handle and use in accordance with good occupational hygiene and safety practice.

Hygiene measures : Avoid contact with the skin and the eyes. Do not eat, drink or smoke when using this product. Keep away from foodstuffs and beverages. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store in a cool, dry, well-ventilated area. Product is hygroscopic.
Storage area : Avoid moisture and dust formation.
Packaging materials : Polyethylene, Polypropylene.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection : Wear chemically resistant protective gloves. Gloves must be inspected prior to use. Natural rubber (NR) /. Butyl rubber (IIR) /. Permeation time: minimum >480min long term exposure; material / thickness [mm]: 0.5.
Eye protection : Tightly fitting safety goggles. Have an eye-bath to hand.
Skin and body protection : Wear suitable protective clothing. Safety shower at proximity. Do not wear leather gloves.
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Recommended Filter type: P3.
Environmental exposure controls : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Appearance : Powder or flakes.
Molecular mass : 129 - 147 g/mol
Colour : Cream. White.
Odour : Odourless.
Odour threshold : No data available
pH : 9 - 10.5 (at 100 g/l; 20°C)
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : 772 °C
Boiling point : 1600 °C
Flash point : No data available
Self ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : 2.15 g/cm³ (at 20°C)
Solubility : Water: 754 g/l (at 20°C)
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

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according to Regulation (EC) No. 453/2010

9.2. Other information

Other properties : Bulk density : 800-900 kg/m3.

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Alkali metals.

10.6. Hazardous decomposition products

Gives off hydrogen by reaction with metals.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Calcium Chloride (10043-52-4)	
LD50 oral rat	3798 mg/kg
LD50 dermal rat	2630 mg/kg

Skin corrosion/irritation : Non-Irritant (rabbit)
pH: 9 - 10.5 (at 100 g/l; 20°C)

Serious eye damage/irritation : Moderate eye irritation - rabbit
pH: 9 - 10.5 (at 100 g/l; 20°C)

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Calcium Chloride (10043-52-4)	
LC50 fishes 1	10650 mg/l (Lepomis macrochirus, 96 hours)
LC50 other aquatic organisms 1	3005 mg/l (Daphnia magna, 48 hours)
LC50 fish 2	13400 mg/l (Gambusia affinis, 96 hours)

12.2. Persistence and degradability

Calcium Chloride (10043-52-4)	
Persistence and degradability	Not applicable for inorganic gases.

12.3. Bioaccumulative potential

Calcium Chloride (10043-52-4)	
Bioaccumulative potential	Bioaccumulation is not expected.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

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according to Regulation (EC) No. 453/2010

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains.

Additional information : Packaging can be reused after proper cleaning. Packaging that cannot be cleaned should be disposed of as product waste.

SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

No dangerous good in sense of transport regulations.

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no REACH candidate substance

Other regulations, restrictions and prohibition regulations : UK ISR : calcium chloride: Annual reporting level threshold: 10,000 kg.

15.1.2. National regulations

Regional legislation : Listed on Industrial Safety and Health Law Substances (ISHL). Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory. (notification number: (1)-176).

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-phrases::

Eye Irrit. 2	Serious eye damage/eye irritation Category 2
H319	Causes serious eye irritation
R36	Irritating to eyes.
Xi	Irritant

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.