



SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product Identifier CalFlush
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Relevant uses: Use as a professional use fertiliser.
- 1.3. Details of the supplier of the safety data sheet
Company: Tour Best Europe Ltd, The Old Bakery, Hyde End Lane, Brimpton, Berkshire, RG7 4RH. UK.
Phone: +44 (0) 1189 710 997
Email: golf@tourbest.eu
- 1.4. Emergency telephone number +44 (0) 7725 962 366

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

CLASSIFICATION according to Directive EC 1272/2008 Classification, Labelling and Packaging

Eye Irritation 2; H319 Causes serious eye irritation

CLASSIFICATION according to Directive 1999/45/EC and statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulation)

Xi; R36: Irritant; R36 Irritating to eyes

2.2. Label elements

Contains: Calcium chloride (EC: 233-140-8)



Signal word: Warning



Hazard Statements: H319: Causes serious eye irritation
Precautionary Statements: P280: Wear protective 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

Mixture not classed as PBT or vPvB.

SECTION 3: Composition/Information on Ingredients

Hazardous components:

Identification	Chemical Name/Classification		Concentration
CAS: 10043-52-4 EC: 233-140-8 Index: 017-013-00-2 REACH: 01-2119494219-28-0000	Calcium Chloride		30-<40%
	Directive 67/548/EC	R36 	
	Regulation 1272/2008	Eye irrit.2: H319 	



SECTION 4: First-Aid Measures

4.1. Description of first aid measures

By inhalation:	Remove from source of exposure to fresh air; seek medical attention if symptoms arise or persist.
By skin contact:	Drench immediately with water. Remove any contaminated clothing and launder before re-use. Seek medical attention if symptoms persist or develop.
By eye contact:	Rinse cautiously for several minutes, Remove contact lenses, if present and easy to do, rinse with clean water for 15 minutes. Seek medical attention if symptoms persist or develop.
By consumption:	Do not induce vomiting. Wash out mouth with water and give water to drink. Obtain medical attention immediately.

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

Information not available.

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

Information not available.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Use Foam, carbon dioxide, dry powder, sand. The mixture is not classified as flammable as such extinguishing media should also be chosen as appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Possible irritant fumes arising from combustion.

5.3. Advice for fire-fighters

Cool down containers/equipment exposed to heat with a water spray. Contain spread of extinguishing fluids (these fluids may be hazardous for the environment). Wear complete protective clothing and self-contained breathing apparatus.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

The following precautions are considered to be good practice when using any chemicals irrespective of their classification unless otherwise specified.

Use personal protective equipment: appropriate coveralls and gloves
eye/face protection
appropriate respirator

Avoid contact with skin and eyes

6.2. Environmental precautions

Do not allow to enter storm drains or water courses. If this product enters a water course or a sewer (including via contaminated soil & vegetation) in large quantities contact local water authority and inform the Environment Agency.

6.3. Methods and material for containment and cleaning up

Use soil, sand or other absorbent material. Contact specialist waste disposal contractor.

6.4. Reference to other sections

No reference necessary.



SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Wash Hands thoroughly after handling

Do not eat, drink or smoke when using this product. remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool dry atmosphere, in original labelled containers. Refer to manufacturer for maximum safe stacking height. Keep away from heat sources, combustible materials.

7.3. Specific end use(s)

No specific information available.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

PNEC: The lowest (E)C50 value is >100 mg/l (48 h EC50 is 2,400 mg/l in daphnids (Daphnia magna)) and
the lowest Chronic value is > 0.1 mg/l (21 d EC 16 is 320 mg/l in daphnids (Daphnia magna)). Therefore
calcium chloride needs not to be classified according to Directive 67/548/EEC

8.2. Exposure controls

Goggles – Eye Protection : goggles/face shield to BS EN166.

Gloves – BS EN374 – chemical protection.

Respirators – BS approved protection device with P3 filter.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance: Blue/green solution

pH: 7.5 – 9.5

Specific gravity: 1.35 – 1.38

9.2. Other information

No other relevant information available.

SECTION 10: Stability and Reactivity

10.1. Reactivity

No reactions known.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Information not available.

10.4. Conditions to avoid

Extremes of temperature.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Possible Irritant fumes.

SECTION 11: Toxicological Information**11.1. Information on toxicological effects**

The mixture has not been assessed for toxicological effects, the mixture classification is given in section 2 based on individual component contents. Individual component hazards are given in section 3.

Toxicological information on hazardous ingredients:**Calcium chloride:****Toxicokinetics, Metabolism and Distribution:**

Calcium chloride is easily dissociated into calcium and chloride ions in water. The absorption, the distribution and the excretion of the ions in animals are regulated separately. Calcium and chloride are essential constituents of the body of all animal species. Calcium is essential for the formation of skeletons and the regulation of neural transmission, muscle contraction and coagulation of the blood. Chloride is required for regulating intracellular osmotic pressure and buffering.

11.2. Other Information

None.

SECTION 12: Ecological Information**12.1. Toxicity**

Mixture Classified as Not Toxic to the environment in accordance with the Dangerous Preparations Directive 1999/45/EC.

12.2. Persistence and degradability

Readily biodegradable.

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

Not classified

12.6. Other adverse effects

Information not available

SECTION 13: Disposal Considerations**13.1. Waste treatment methods**

Use only licensed waste disposal companies. Do not re-use empty containers for any purpose.

SECTION 14: Transport Information

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: Regulatory Information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This substance is classified and labelled in accordance with regulation 1999/45/EC, 1272/2008, the statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulations and the EC Fertiliser Regulations 2003, Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC).

15.2. Chemical Safety Assessment

The supplier has not carried out evaluation of chemical safety.

16. OTHER INFORMATION

The information contained herein relates only to the designated formulation and may not be valid if product is used in combination with other substances. The information is to the best of our knowledge, belief and understanding, true, accurate and reliable at the date of issue. However, the information may neither be exhaustive or complete, and no warranty, guarantee or liability concerning the accuracy or completeness of the information is expressed or implied. It is the user's risk and sole responsibility to verify and satisfy their own criteria and duty of care concerning the validity of the information in relation to their application of the product.

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