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# SAFETY DATA SHEET

## Section 1: Identification of the substance/mixture and of the company/undertaking

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### 1.1. Product identifier

Product Name: Datasheet Number: Chemical Name: Index Number: EC Number: CAS No: Calcium Hypochlorite 012 1 Quick Dissolve Calcium Hypochlorite 017-012-00-7231-908-77778-54-3. 1. 0

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

Pool/Spa Sanitiser

### 1.3. Details of the supplier of the safety data sheet

Name of Supplier: Deep Blue Pool Supplies  
Address of Supplier: Box 8899  
Hermitage,  
Corsham,  
SN13 8DT  
Telephone: +44 (0) 3330 907094  
Email: help@deepbluepoolsupplies.co.uk

### 1.4 Emergency telephone number 0800 043 0891 -0800 043 0892 - Technical Emergency

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## 2. Hazards identification

## 2.1 Classification of the substance or mixture

----- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS] Ox. Sol. 2, HAcute Tox. 4, HSkin Corr. 1B, HAquatic Acute 1, HEUHC Classification (67/548/EEC, 1999/45/EC) n; RRC: RN; RAdditional information: For full text of R-phrases and Hazard- and EU Hazard-statements: see section O; R313450803122 272302314400 ) ] 16

## SDS No. 012 Quick Dissolve Calcium Hypochlorite

### 2.2 Label Elements:

Label in accordance with (EC) No. 1272/2008 EC Number: 231-908-7



-- Symbols: GHS03, GHS05, GHS07, GHS Signal Word: Danger 09

Hazard phrases

- May intensify fire; oxidizer.
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- Very toxic to aquatic life. Contact with acids liberates toxic gas. Causes severe skin burns and eye damage. Harmful if swallowed.

Precautionary Phrases

--- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and Store locked up/Keep out of reach of children. In case of fire: Do not breathe dust/fume/gas/mist/vapours/spray. Avoid release to the environment. Dispose of contents/container in accordance with local/regional/national/international regulations.easy to do. Continue rinsing.

**2.3 Other Hazards:**

- Marine pollutant

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**3. Composition/information on ingredients**

**3.1 Substances:**

Chemical Name	Concentration	100% CAS Number	EC Number	R/H Phrases	Symbols
Calcium Hypochlorite		7778-54-3	231-908-7	*H272, H302, H314, H400, EUH031	GHS03, GHS07, GHS09, GHS05, O, C, N, R31, R34, R8, R22, R50

\*See Section 16

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**4. First Aid Measures:**

**4.1 Description of first aid measures**-- Inhalation: Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues. Do not induce vomiting. attention if any discomfort continues. -

-- Skin contact: Remove affected person from source of contamination. Remove contaminated clothing. Eye contact: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes if any discomfort continues. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues. with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention.

**4.2 Most important symptoms and effects, both acute and delayed**-- Can cause damage to the eyes and skin Causes nausea/vomiting

**4.3 Indication of any immediate medical attention and special treatment**

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**needed-** Treat symptomatically **Section 5: Fire-fighting measures**

**5.1 Extinguishing media-** In case of fire: use water for extinction

**5.2 Special hazards arising from the substance or mixture-** See Section 10.6

**5.3 Advice for firefighters-** Wear protective clothing as per section 8

## Section 6: Accidental release measures

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**6.1 Personal precautions, protective equipment and emergency procedures--** Wear protective clothing as per section 8 Shut off all ignition sources

**6.2 Environmental Precautions--** Do not allow to enter public sewers and water courses If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

**6.3 -Methods and material for containment and cleaning up--** Remove by mechanical means Collect as much as possible in clean container for reuse or disposal Flush spill area with copious amounts of water

**6.4 Reference to other sections-** See Section 7 & 8

## Section 7: Handling and storage

**7.1 Precautions for safe handling**---- Avoid contact with combustible material Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Ensure adequate ventilation

**7.2 Conditions for safe storage, including any incompatibilities**-- Store in a dry place. Store in a closed container. Store away from other materials Store in a well-ventilated place. Keep cool.

**7.3 Specific end use(s-** No information available.)

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## Section 8: Exposure controls/personal protection

**8.1 Control parameters**-Calcium Hypochlorite WEL (long term) 1 mg/m<sup>3</sup>

**8.2 -Exposure controls** Engineering controls should be provided to prevent the need for ventilation

**Occupational exposure controls**---- In case of inadequate ventilation wear respiratory protection. Wear rubber gloves When handling this substance, eg. sampling, wear goggles giving complete eye protection Wear apron or other light protective clothing



Respirator



Goggles



Gloves



Suit

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## Section 9. Physical & Chemical Properties

**9.1 -Information on basic physical and chemical properties-----** Odour: chlorine Appearance: white, solid, granules pH 12 at 1 % concentration Boiling point - not applicable Vapour pressure - not applicable Vapour density - not known Melting point 180 deg C with decomposition Water solubility 20 % at 20 °C

- ----- Partition coefficient : n-Octanol/water - not known Not flammable but will support combustion Specific gravity 2.1 g/cm Evaporation rate - not known Viscosity - not applicable Partition coefficient : n-Octanol/water Evaporation rate - not known Viscosity - not applicable3 - Not flammable-3.0

**9.2 Other information-** Bulk density 1.00 g/cm<sup>3</sup>

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## Section 10. Stability and reactivity

**10.1 -Reactivity** Warning! Do not use together with other products. May release dangerous gases (chlorine).

**10.2 Chemical stability-** No decomposition if stored normally.

**10.3 Possibility of hazardous reactions-** Contact with acids liberates toxic gas.

**10.4 Conditions to avoid--** Avoid contact with water Keep away from heat and sources of ignition

**10.5 Incompatible materials.** - Incompatible with acid Nitrogen containing compounds Incompatible

with organics Incompatible with oxidizing substances Ammonia Incompatible with combustible

material ---

**10.6 Hazardous Decomposition Products--** Decomposition products include chlorine.

Decomposition products include oxygen

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## Section 11. Toxicological information

**11.1 -Information on toxicological effects** LD50 (oral,rat) 850 mg/kg

Inhalation - Can cause damage to the respiratory system.

-C Can cause damage to the skin.ontact with skin

\_Contact with eyes Can cause damage to the eyes.

\_Ingestion The ingestion of significant quantities may cause damage to digestive system.

\_Carcinogenicity No evidence of carcinogenic effects



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\_Teratogenicity No information

available - Mutagenicity No

information available

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## Section 12. Ecological information

**12.1 Toxicity**-- Very toxic to aquatic life with long lasting effects. LC50 (fish) 0.15 mg/l (96 hr)

**12.2 Persistence and degradability**- No information available

**12.3 Bioaccumulation Potential**- No information available

**12.4 Mobility in soil**- Marine pollutant

**12.5 Results of PBT and vPvB assessment**- Not a PBT according to REACH Annex XIII

**12.6 Other Adverse Effects**

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## Section 13. Disposal considerations

**13.1 Waste treatment methods**- Disposal should be in accordance with local, state or national legislation

Classification - The waste must be identified according to the List of Wastes (2000/532/EC)



# Quick Dissolve Calcium Hypochlorite

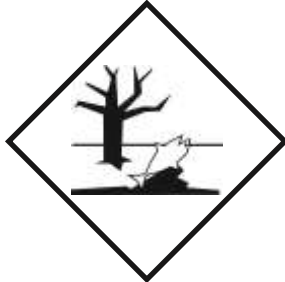
SDS No. 012



## Section 14. Transport information



Oxidising Agent



Environmentally Hazardous



Corrosive

**14.1 UN Number-** 3487

**14.2 UN Proper Shipping Name-** CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE

**14.3 Transport hazard class(es-** 5.1 )

**14.4 Packing group-** II

**14.5 Environmental hazards-** Marine pollutant

**14.6 Special precautions for user-** See Section 7

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

**code-** Not applicable

Other information Proper

ADR Hazard Class:ADR UN No.:Tunnel Code:ADR Packing Group:

Shipping Name:Road/Rail  
(ADR/RID)

## Quick Dissolve Calcium Hypochlorite



Sea (IMDG) Proper Shipping

Name: ICAO Un No.: ICAO Hazard Class.: ICAO Packing Group.:

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Date of Last Change: 14/02/2013

3487 CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE 5.1EII

Name: IMDG UN No.: IMDG

Hazard Class.: IMDG Pack

CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE 34875.1II

Group.: Air

CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE 34875.1II

(ICAO/IATA) Proper Shipping

**SDS No. 012**

**15 Regulatory information**

## Quick Dissolve Calcium Hypochlorite

**15 .1 Safety, health and environmental regulations/legislation specific for the substance or mixture**--- Refer to current CPL Regulations Refer to current EC Directive 82/501/EEC (the Seveso Directive) The List of Wastes (England) Regulations 2005 apply in the UK )



## 15 .2 Chemical Safety Assessment

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### 16 Other information

Text of R and S phrase codes used in this safety data sheet:- EUH031: Contact with acids liberates toxic gas.; H272: May intensify fire; oxidizer.; H302: Harmful if swallowed.; H314: Causes severe skin burns and eye damage.; H400: Very toxic to aquatic life.; R22: Harmful if swallowed; R31: Contact with acids liberates toxic gas; R34: Causes burns; R50: Very toxic to aquatic organisms; R8: Contact with combustible material may cause fire.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of Deep Blue Pool Supplies limited knowledge and belief, accurate, and reliable as of the date of authorisation of this safety data sheet. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to be satisfied as to the suitability and completeness of such information for the product as used.

# Quick Dissolve Calcium Hypochlorite



Version 1.0