

Material Safety Data Sheet
According to 91/155 EEC

1. Identification of the substance/preparation and of the company/undertaking

- **Trade Name:** Calcium Hypochlorite Easiflo Tablets
- **Intended use of chemical** Water treatment and disinfection
- **Manufacturer/Supplier** Complete Pool Controls Ltd, Unit 2, The Park, Stoke Orchard, Bishops Cleeve, Gloucestershire, GL52 7RS.
Tel: +44 (0) 8712 229081 Fax: +44 (0) 8712 229083

2. Composition/information on ingredients

• **Chemical characterization:**

Ingredient	CAS No	ENICS No	Symbol	Risk Phrases	%
Calcium Hypochlorite	7778-54-3	231-908-7	O;C;Xn	8,22,31,34,50	60 - 80
Calcium Carbonate	471-34-1				0 - 5
Calcium Hydroxide	1305-62-0				0 - 4

3. Hazard Identification



C: Corrosive



O: Oxidising



N: Dangerous for the environment

• **Hazard Information concerning particular hazards for human and the environment**

R8	Contact with combustible material may cause fire
R22	Harmful if swallowed
R31	Contact with acids liberates toxic gas
R34	Causes burns
R50	Very toxic to aquatic organisms

4. First Aid measures

Symptoms

- **After inhalation:** May cause severe irritation to the respiratory tract. Symptoms include wheezing, choking, chest pain and shortness of breath.
- **After skin contact:** Can cause severe irritation and/or chemical burns
- **After eye contact:** May cause severe irritation and/or chemical burns with corneal damage.
Can cause severe irritation and/or chemical burns to the gastrointestinal tract characterised by nausea, vomiting, diarrhoea, abdominal pain, bleeding and ulceration.
- **After Ingestion:**

Treatment

- **After inhalation:** Supply fresh air. If required, provide artificial respiration. Seek medical attention.
- **After skin contact:** Wash with plenty water for a minimum of 15 minutes. Seek medical attention.
- **After eye contact:** Flush eyes with cold flowing water for at least 15 minutes, lifting upper and lower eyelids.. Seek medical attention immediately.
- **After Ingestion:** Drink large quantities of water. DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Seek medical attention.
- **Medical Note:** Seek immediate medical attention in all cases.

Trade Name: HtH Calcium Hypochlorite Granules**5. Fire fighting measures**

- **General** This product is chemically reactive with other substances. Contaminated product may initiate a chemical reaction which may spontaneously ignite any combustible material present resulting in a fire of great intensity. In a fire chlorine gas can be produced. In case of a spill, separate spilled product from packaging, debris and other materials, This product is a strong oxidiser which is capable of intensifying a fire once started.
- **Extinguishing media:** Water only
- **Protective equipment:** Response requires the use of a full-encapsulated suit and an approval positive pressure supplied air respirator.

6. Accidental release Measures

- **Spill Mitigation** Hazardous concentrations in air may be found in local spill area and immediately downwind. This could include chlorine gas which is toxic. Fire is a potential hazard, remove all sources of ignition. Stop source of spill as soon as possible. Prevent contamination of any watercourse. Inform the site or duty manager. If the spill is large inform the emergency services and the National Environment Agency.
- **Air Release** Dust/vapours may be suppressed by the use of a water fog. All water utilised to assist in fume suppression, decontamination or fire suppression may be contaminated and must be contained before disposal and/or treatment.
- **Water Release** This material is heavier than water. This material is soluble in water. Monitor all exit water for available chlorine and pH. Advise local authorities of any contaminated water release.
- **Land Spill** All spilled material should be treated as hazardous waste. Containerise all virgin material in a clean and dry container using only clean dedicated equipment to clean up material. Containerise all contaminated material in a clean dry container and remove to a well ventilated area being sure not to seal too tightly. Place all damaged packaging material in a container of water to ensure decontamination.
- **Spill Residues** This material may be neutralised for disposal.
- **Personal Protection** In case of fire, use normal fire fighting equipment as self contained breathing apparatus. Chlorine cartridge full face pipe respirator with dust/mist pre-filter.

Trade Name: HtH Calcium Hypochlorite Tablets**7. Handling and storage**

- **General:** Do not take internally. Avoid inhalation of dust and fumes. Avoid contact with eyes, skin or clothing, upon contact with skin or eyes, immediately wash off with water and seek medical advice. Remove contaminated clothing and launder before re-use,
- **Storage conditions:** Keep tightly sealed in original containers. Store in a clean, cool, dry, well ventilated area. Store away from combustible or flammable materials. Keep product packaging clean and free of all contamination, including other pool treatment products, acids, nitrogen-containing compounds, dry powder extinguishers (containing mono-ammonium compounds) oxidisers, all corrosive liquids, flammable or combustible materials.
- **Storage temperature:** Do not store at temperatures above 52°C (125°F). Storage above this temperature may result in rapid decomposition, evolution of chlorine gas and heat sufficient to ignite combustible products. Storage in a climate controlled area is recommended in areas where extremes of high temperature occur.
- **Shelf life limitation:** When stored under moderate temperature conditions, product will maintain in the stated label strength for approximately 2 years. Prolonged storage at 35°C or above will significantly shorten the shelf life. Where extremes of high temperature occur a climate controlled storage area is recommended.

8. Exposure control/personal protection

- **Respiratory Protection** Chlorine cartridge full face pipe respirator with dust/mist pre-filter.
- **Hand Protection** Wear suitable chemical resistant gloves
- **Eye Protection** Wear appropriate safety goggles
- **Skin Protection** Apron and boots

**9. Physical and chemical properties**

- **Appearance at 20°C** White tablet
- **Odour** Chlorine like
- **Decomposition temperature** 170 - 180°C (338 - 356°F)
- **pH (conc)** 10.4 - 10.8 (1% soln.)
- **Bulk density** 1.9g/cc loose (tablets)
- **Flammability** Contact with combustible material may cause fire
- **Solubility in water** 18%

Trade Name: HtH Calcium Hypochlorite Tablets**13. Disposal Considerations**

- **Substance** Must not be disposed of with household waste. Do not allow product to reach sewage system. Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.
- **Container** All contaminated packaging must be disposed off via an authorised hazardous waste contractor.

14. Transport Information

- **U N No** 2880
- **Proper shipping name** 5.1 Calcium hypochlorite, hydrated mixtures
- **Class/division** 5.1
- **ADR HIN** 15b
- **Packing group** II
- **Hazard I D No** 50
- **Hazchem code** 2 (W)E

15. Regulatory information

- **Product Name** HTH Chlorine Tablets
- **Symbol** C: Corrosive, O: Oxidising, N: Dangerous for the environment
- **Indications of danger** Calcium Hypochlorite
- **Risk phrases**

R8	Contact with combustible material may cause fire
R22	Harmful if swallowed
R31	Contact with acids liberates toxic gases
R34	Causes burns
R50	Very Toxic to aquatic organisms
- **Safety phrases**

S1/2	Keep locked up and out of reach of children
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S45	In case of accident or you feel, seek medical advice immediately (show the label where possible).
S61	Avoid release to the environment. Refer to special instructions/safety data sheets

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.