



Safety Data Sheet

Legal Disclaimer

The information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication. Nothing herein is to be construed as a warranty, express or implied. In all cases it is the responsibility of the users to determine the applicability of such information or the suitability of any products for their own particular purpose.

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1. Identification of Products

Product Name:	Stingy Sticks
Product Code:	20 35 544 045 20 35 5440 51
Chemical Name:	Trichloroisocyanuric acid (TCCA)
Other Names:	Trichloro -1,3,5-triazinetriene, Trichloro-s-triazinetriene.

Distributed by: Golden Coast Ltd | Fishleigh Road | Roundswell Commercial Park West | Barnstaple | Devon | EX31 3UA | Tel: 01271 378100 | e-mail: swimmer@goldenc.com

2. Composition

Substance:	Trichloroisocyanuric Acid
Weight %:	>96
EC Number:	201-782-8
CAS Number:	87-90-1
R Phrases:	8, 22, 31, 36/37, 50/53
Symbol:	O, Xn, Xi, N
WEL:	WEL

3. Hazard Identification

Oxidising agent:

May ignite combustible material. Decomposes to release toxic chlorine, Hypochlorous Acid and Cyanuric Acid on contact with water.

Harmful:

Harmful if inhaled or swallowed. Irritating to eye, skin and respiratory system.

Danger:

Mixing with Sodium or Calcium Hypochlorite will cause explosive generation of Nitrogen Trichloride. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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4. First Aid Measures

Inhalation:

Remove person to fresh air, rest and keep warm. In severe cases seek professional medical attention.

Skin Contact:

Wash with plenty of cold water for a minimum of 15 minutes.

If skin irritation persists, seek professional medical attention.

Eye Contact:

Flush eyes with cold flowing for at least 20 minutes. Seek professional medical attention immediately.

Ingestion:

Wash mouth out with water. DO NOT INDUCE VOMITING.

DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Seek professional medical attention.

Note:

When seeking professional medical attention always show the product label.

5. Fire Fighting Measures

Suitable extinguishing media:

Plenty of water or CO₂.

Unsuitable extinguishing media:

Dry powder containing ammonium compounds.

Special exposure hazards in fire:

Contact with other materials may cause fire. Emits toxic fumes under fire conditions.

Required special protective equipment for fire fighters:

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA). Thoroughly decontaminate fire-fighting equipment including all fire fighting wearing apparel after the incident.



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6. Accidental Release Measures

Personal precautions:

Wear appropriate personal protective equipment as detailed in section 8.

Methods for cleaning:

Contain the spillage. Deposit into clean drum or plastic bags including contaminated soil. Dispose in accordance with local and national legislation.

7. Handling and Storage

Handling:

Strong oxidising agent. DO NOT MIX WITH OTHER CHEMICALS. Mix only with water. Never add water to product. Always add product to water. Use clean dry dispensing equipment.

Storage:

Keep this product in original, sealed container when not in use. Store in a cool, dry well-ventilated area. Keep this product and all other chemicals out of reach of children.

Avoid contact with:

Other swimming pool/spa chemicals in their concentrated forms.



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8. Exposure Controls / Personal Protection

Workplace Exposure Limits:

Exposure Limits:	Chlorine
8hr TWA ppm	0.5
mg/m ³ :	1.5
15min STEL ppm	1
mg/m ³ :	2.9
Authority:	EH40

Engineering controls:

Use local exhaust ventilation where possible

Respiratory protection:

Use suitable respiratory protection for chlorine and dust inhalation protection.

Hand protection (type of gloves, etc):

Wear suitable chemical resistant gloves when handling this product.

Skin protection:

Wear appropriate protective clothing to avoid contact with skin.

Eye protection:

Wear goggles or safety glasses with side shields to avoid contact with eyes.



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9. Physical and Chemical Properties

Physical state:	Solid
Appearance:	Cylinder – shaped Sticks
Colour:	White
Odour:	Chlorine
pH:	2.7-3.3 (1 % solution @25 °C)
Melting point:	225 °C
Relative density:	0.95 gcm ⁻³
Solubility in water:	10gl ⁻¹ @25 °C

10. Stability and Reactivity

Conditions to avoid:

High temperature. Poor ventilation. Contamination. Moisture/high humidity.

Materials to avoid:

Avoid contact with water on concentrated material in container. Avoid contact with easily oxidisable materials such as organic compounds, reducing agents, nitrogen containing compounds, sodium or calcium Hypochlorite, other oxidisers, acids and alkalis.

Hazardous decomposition products:

Chlorine containing gases can be produced. Gradually forms nitrogen trichloride in damp, moist conditions (explosive gas), hypochlorous acid.



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11. Toxicological Information

Route of entry:	-
Inhalation:	Harmful if inhaled.
Ingestion:	Harmful if swallowed.
Skin:	Harmful if absorbed through skin.
Eyes:	This product is irritating to eyes.
Toxicity:	This product is not listed as a carcinogen. Dermal LD50: >2000 mg/kg (rat) Oral LD50: 599 mg/kg (rat)

12. Ecological Information

This product is toxic to fish and aquatic organisms. DO NOT discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans or their waters unless in accordance with applicable regulatory requirements. DO NOT discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.

13. Disposal Considerations

Disposal method:

DO NOT put product, spilled product or filled or partially filled containers into the waste or waste compactor. Contact with incompatible materials could cause a reaction or fire. Disposal of unused, uncontaminated product is regulated according to local and national disposal legislation.

Empty containers:

DO NOT re-use container. Rinse thoroughly before discarding.



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14. Transport Information

UN No.:	UN2468
Proper shipping name (PSN), including any technical name:	Oxidising substance, Trichloroisocyanuric acid, dry
Class/Division:	5.1
Packing Group (if any):	II
Hazard ID No.:	50
EAC:	1W
IMDG CODE: Marine pollutant:	NO



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15. Regulatory Information

Product Name:	Stingy Sticks
Symbol:	O, Xn, N
Indication(s) of danger:	Oxidising, harmful, dangerous for the environment.
Risk phrases:	
R8	Contact with combustible material may cause fire.
R22	Harmful if swallowed.
R31	Contact with acids liberates toxic gas.
R36/37	Irritating to eyes and respiratory system.
R50/53	Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.
Safety phrases:	
S1/2	Keep locked up and out of the reach of children.
S8	Keep container dry.
S26	In case of contact with eyes, rinse immediately with water and seek medical attention.
S41	In case of fire and/or explosion DO NOT breathe fumes.
S60	This material and/or its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/Safety Data Sheet.

Warning: do not use with other products. May release dangerous gases (chlorine)

Applicable EU provisions and associated UK legislation:

The Chemical (Hazards Information & Packaging) Regulations 2002.



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16. Other Information

Recommended uses:

No further information.

Further information:

HSE Guidance note CS17.

Sources of key data used to compile Safety Data Sheet.

Approved supply list. Approved carriage list, EH40, ACIGH tables

Note:

This data sheet does not constitute a user's assessment of workplace risk as required by HSW act, COSHH, management of health and safety at work regulations, or other health and safety legislation.