

SAFETY DATA SHEET

Page: 1

Compilation date: 15/10/2008

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Sent to: The Proton Group Ltd

Revision No: 3

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

1.1. Product identifier

Product name: SPARKLER & NOZZLE CLEANER CHLORINE TABLETS

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

Use of substance / mixture: Chlorine Release Tablets

1.3. Details of the supplier of the safety data sheet

Company name: The Proton Group Ltd
Ripley Drive
Normanton Industrial Estate
Normanton
West Yorkshire
WF6 1QT
United Kingdom
Tel: 01924 892834
Fax: 01924 220213
Email: mail@proton-group.co.uk

1.4. Emergency telephone number

Emergency tel: 112

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2 H319, STOT SE 3 H335, Aquatic Chronic 2 H411

Most important adverse effects: Contact with acids liberates toxic gas. Harmful if swallowed. Causes serious eye irritation. May cause respiratory irritation. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H319 CAUSES SERIOUS EYE IRRITATION.
H335 MAY CAUSE RESPIRATORY IRRITATION.
H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
EUH031 CONTACT WITH ACIDS LIBERATES TOXIC GAS

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SAFETY DATA SHEET

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark

GHS09: Environmental



Precautionary statements: P273: AVOID RELEASE TO THE ENVIRONMENT.

P280: WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.

P304+340: IF INHALED: REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING.

P337+313: IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

SODIUM DICHLOROISOCYANURATE ANHYDROUS (NADDC)

EINECS	CAS	PBT / WEL	CLP Classification	Percent
220-767-7	2893-79-9	-	-	<25%

ADIPIC ACID

204-673-3	124-04-9	-	Eye Irrit. 2 H319	30-40%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Clean areas of skin affected with soap and plenty of water. If necessary, seek medical advice.

Ingestion: If product is swallowed, do NOT induce vomiting. Drink plenty of water; if necessary, seek medical advice.

Eye contact: Immediately wash out eye thoroughly with plenty of water until irritation subsides; consult an eye specialist/ophthalmologist.

Inhalation: Remove casualty to fresh air. If necessary, seek medical advice.

SAFETY DATA SHEET

Page: 3

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

Skin contact: None known

Eye contact: None known

Ingestion: None known

Inhalation: None known

Delayed / immediate effects: None known

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

Immediate / special treatment: Treatment as described above. Treat symptomatically and supportively.

Section 5: Fire-fighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel. If outside do not approach from downwind. Do not create dust.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

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SAFETY DATA SHEET

Page: 4

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air. Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protective device with particle filter.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Pellets

Colour: White

Odour: Characteristic odour

Evaporation rate: Not applicable.

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Miscible

Viscosity: Not applicable.

Boiling point/range°C: Not applicable.

Melting point/range°C: Not applicable.

Flammability limits %: lower: Not applicable.

upper: Not applicable.

Flash point°C: >100

Part.coeff. n-octanol/water: Not applicable.

Autoflammability°C: Not applicable.

Vapour pressure: Not applicable.

Relative density: Not applicable.

pH: Not applicable.

VOC g/l: Not applicable.

9.2. Other information

Other information: No data available.

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SAFETY DATA SHEET

Page: 5

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
ORAL	RABBIT	LD50	CA. 2500	mg/kg
DERMAL	RABBIT	LD50	>2000	mg/kg
DERMAL	RABBIT	LDLo	CA. 3200	mg/kg
ORAL	RAT	LD50	CA. 1420	mg/kg
ORAL	MAMMAL	LD50	CA. 1670	mg/kg
ORAL	HUMAN	LDLo	CA. 3570	mg/kg

Hazardous ingredients:

SODIUM DICHLOROISOCYANURATE ANHYDROUS (NADDC)

ORAL	RAT	LD50	1420	mg/kg
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DICHLORO-1,3,5-TRIAZINETRIONE, SODIUM SALT OF

ORL	RAT	LD50	1420	mg/kg
ORL	RBT	LDLO	2500	mg/kg

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SAFETY DATA SHEET

Page: 6

Relevant hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat. There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Absorption through the lungs can occur causing symptoms similar to those of ingestion.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

SODIUM DICHLOROISOCYANURATE ANHYDROUS (NADDC)

BLUEGILL (<i>Lepomis macrochirus</i>)	96H LC50	0.283	mg/l
Daphnia magna	48H EC50	0.15	mg/l

12.2. Persistence and degradability

Persistence and degradability: Not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation potential.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

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SAFETY DATA SHEET

Page: 7

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3:

H272: May intensify fire; oxidiser
H302: Harmful if swallowed.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H400: Very toxic to aquatic life
H410: Very toxic to aquatic life with long lasting effects
H411: Toxic to aquatic life with long lasting effects,

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.