

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**Product name:** PROTINATE**Use of substance / preparation:** Caustic Chlorinated Detergent Sanitiser.**Company name:** The Proton Group Ltd
Ripley Drive
Normanton Industrial Estate
Normanton
West Yorkshire
WF6 1QT
Tel: 01924 892834
Fax: 01924 220213
Email: mail@proton-group.co.uk**2. HAZARDS IDENTIFICATION****Main hazards:** Causes severe burns. Contact with acids liberates toxic gas.**Workplace exposure limit:** This substance does not have a workplace exposure limit.**PBT:** This substance is not identified as a PBT substance.**Directive 1999/45/EC:** This preparation meets the criteria for classification as dangerous in accordance with Directive 1999/45/EC.**3. COMPOSITION / INFORMATION ON INGREDIENTS****Hazardous ingredients:** SODIUM HYDROXIDE 10-30%
EINECS: 215-185-5 CAS: 1310-73-2
[C] R35
• SODIUM HYPOCHLORITE SOLUTION CL ACTIVE 1-10%
EINECS: 231-668-3 CAS: 7681-52-9
[-] R31; [C] R34; [N] R50**4. FIRST AID MEASURES****Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.**Ingestion:** Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

SAFETY DATA SHEET

PROTINATE

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

Exposure hazards: Corrosive. In combustion emits toxic fumes.

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: SODIUM HYDROXIDE
UK - 15 min. STEL: 2 mg/m³

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

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid
Colour: Pale yellow
Odour: Characteristic odour
Solubility in water: Soluble
Relative density: 1.200
pH: 12

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Heat.
Materials to avoid: Strong oxidising agents. Strong acids.
Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Acute effects: Causes severe burns.

11. TOXICOLOGICAL INFORMATION (SYMPTOMS)

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.
Eye contact: Corneal burns may occur. May cause permanent damage.
Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.
Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.
Persistence and degradability: Biodegradable.
Bioaccumulative potential: No bioaccumulation potential.
Other adverse effects: Negligible ecotoxicity.
PBT identification: This substance is not identified as a PBT substance.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

SAFETY DATA SHEET

PROTINATE

ADR / RID

UN no: 3266 **ADR Class:** 8
Packing group: II **Classification code:** C5
Shipping name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Labelling: 8 **Hazard ID no:** 80



IMDG / IMO

UN no: 3266 **Class:** 8
Packing group: II **EmS:** F-A,S-B
Marine pollutant: . **Labelling:** 8

IATA / ICAO

UN no: 3266 **Class:** 8
Packing group: II **Packing instructions:** 808(P&CA); 812(CAO)
Labelling: 8

15. REGULATORY INFORMATION

Hazard symbols: Corrosive.



Risk phrases: R35: Causes severe burns.

R31: Contact with acids liberates toxic gas.

Safety phrases: S1/2: Keep locked up and out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Precautionary phrases: Warning! Do not use together with other products. May release dangerous gases (chlorine).

Haz. ingredients (label): SODIUM HYDROXIDE

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional

SAFETY DATA SHEET
PROTINATE

provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

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

Risk phrases used in s.3: R35: Causes severe burns.
R31: Contact with acids liberates toxic gas.
R34: Causes burns.
R50: Very toxic to aquatic organisms.

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.