



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Name of product**Multilong - Tablet for shock chlorination**

Rez.-Nr. 410030

Manufacturer/distributor

BioLab UK

Unit 4, Andoversford Ind. Est., Andoversford, Cheltenham, Glos.
GL54 4LB

Phone 01242820969

Emergency adviceNational Poisons Information Centre, Birmingham Centre, City
Hospital, Birmingham B18 7QH

Phone (+44) 121 507 4123

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Product for disinfection and oxidation of pool water

Hazardous ingredients

| CAS-No. | EC-No. | Name | [% weight] | Classification |
|---------|-----------|--|------------|---|
| 87-90-1 | 201-782-8 | Trichloroisocyanuric acid, dry (symclosene) | > 50 | O, R8; Xn, R22; R31; Xi, R36/37; N, R50 53 |

3. HAZARDS IDENTIFICATION

R-phrases

| | |
|-------|--|
| 22 | Harmful if swallowed. |
| 31 | Contact with acids liberates toxic gas. |
| 36/37 | Irritating to eyes and respiratory system. |
| 50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

4. FIRST AID MEASURES

General information

Remove contaminated soaked clothing immediately.

Take affected person into fresh air.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

Refer for medical treatment.

In case of skin contact

In case of contact with skin wash off immediately with plenty of water.

In case of eye contact

In case of contact with eyes rinse thoroughly with water.

Refer to medical treatment.

In case of ingestion

Call for a doctor immediately.

If swallowed give water to drink.



5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Large quantities of water
Carbon dioxide
sand

Extinguishing media which must not be used for safety reasons

Small quantities of water

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Nitrogen trichloride

In the event of fire the following can be released:

Chlorine (Cl₂)

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Wear full protective clothing.

Additional information

Cool endangered containers with water spray jet.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions such as

Ensure adequate ventilation.

Use personal protective clothing.

Environmental precautions such as

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up such as

Take up mechanically and send for disposal.

Additional Information

Neutralize active chlorine with suitable materials (Sulphite, Thiosulphate or hydrogen peroxide aqueous solution)

7. HANDLING AND STORAGE

Advice on safe handling

Use only in well-ventilated areas.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

Keep at distance of acids, reducing agents and organic substances (e.g. wood, paper, fat).

Avoid entering of water in shortage.

Requirements for storage rooms and vessels

Keep only in original container.

Advice on storage compatibility

Do not store with combustible materials.

Do not store together with food.

Further information on storage conditions

Keep container tightly closed.

Storage: cool and dry

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with occupational exposure limits to be monitored

| CAS-No. | Name | Code | [mg/m ³] | [ml/m ³] | Remark |
|-------------|----------|------|----------------------|----------------------|--------|
| 007782-50-5 | chlorine | MAK | 1,5 | 0,5 | Y |

**Hand protection**

chemical-resistant gloves

Suitable materials (recommended: protection index 6, >480 minutes permeation time according to EN 374)

Nitrile-butadiene rubber (NBR) - 0.4 mm layer thickness

Butyl rubber (butyl) - 0.7mm layer thickness

In view of the many different types, the manufacturers' directions for use must be followed

Eye protection

safety goggles

General protective measures

Avoid contact with the eyes.

Hygiene measures

At work do not eat, drink and smoke.

Wash hands before breaks and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|-------------|---------------|------------------|
| Form | Colour | Odour |
| tablet | white | typical, pungent |

Important health, safety and environmental information

| | Value | Temperature | at | Method | Remark |
|-----------------------------------|--------------|-------------|--------|----------------|--------|
| pH value in delivery state | ca. 6 | 20 °C | 10 g/l | potentiometric | |
| decomposition point | 240 - 250 °C | | | | |

10. STABILITY AND REACTIVITY**Conditions to avoid**

Reactions with combustible substances.

Reactions with acids.

Reactions with impurities.

Hazardous decomposition products

Nitrogen trichloride

Chlorine

Additional information

Product may cause bleaching textiles, liners, paintings etc. Chlorine gas may decompose metals and is corrosive.

11. TOXICOLOGICAL INFORMATION**Acute toxicity/Irritability/Sensitization**

| | Value/Validation | Species | Method | Remark |
|-------------------------|------------------|---------|--------|--------|
| LD 50 acute oral | 891 mg/kg | rat | | |
| Irritability eye | irritant | | | |

Experiences made from practice

Sensitization through skin contact possible.



! 12. ECOLOGICAL INFORMATION

Ecotoxicological effects

| | Value | Species | Method | Validation |
|-------------|----------------------|---------------------|--------|------------|
| Fish | LC50 < 1 mg/l (96 h) | Lepomis macrochirus | | |

General regulation

Product is not allowed to discharge into aquatic environment, drains or sewage treatment plants.

13. DISPOSAL CONSIDERATIONS

Waste code No.

06 03 14

Name of waste

solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

Recommendations for the product

In accordance with regulations for special waste, must be taken to a special waste disposal.

Recommendations for packaging

Uncontaminated packaging may be taken for recycling.

Recommended cleansing agent

Water

14. TRANSPORT INFORMATION

Land and inland navigation transport (ADR/RID/GGVs/GGVE/ADNR)

UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Trichloroisocyanuric acid, dry (Symclosen)), 9, III

Marine transport IMDG/GGV See

UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Trichloroisocyanuric acid, dry (Symclosen)), 9, III

Air transport ICAO/IATA

UN 3077 Environmentally hazardous substance, solid, n.o.s. (Trichloroisocyanuric acid, dry (Symclosen)), 9, III

15. REGULATORY INFORMATION

Remarks for classification

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

Classification

| | |
|-----------|-------------------------------|
| Xn | Harmful |
| N | Dangerous for the environment |

R-phrases

| | |
|-------|--|
| 22 | Harmful if swallowed. |
| 31 | Contact with acids liberates toxic gas. |
| 36/37 | Irritating to eyes and respiratory system. |
| 50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

S-phrases

| | |
|-------|--|
| 2 | Keep out of the reach of children. |
| 26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| 29/56 | Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point. |
| 46 | If swallowed, seek medical advice immediately and show this container or label. |
| 8 | Keep container dry. |

Special labelling for certain preparations

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



16. OTHER INFORMATION

Sources of key data used

Results of own researches and examinations

Literature informations

Toxicity studies, NIOSH-Tox-Data

National legislation and regulation

Wording of the R-phrases specified in chapter 2 (not the classification of the formulation!)

R 22 Harmful if swallowed.

R 31 Contact with acids liberates toxic gas.

R 36/37 Irritating to eyes and respiratory system.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 8 Contact with combustible material may cause fire.