

1. Identification of the substance/preparation

| | |
|---------------------------------|--|
| Name of product | Multibloc (Komp.1: Chlorilong Super PuckTab.) Rez.-Nr. 414668 |
| Manufacturer/distributor | BAYROL Deutschland GmbH Lochamer Straße 29, D-82152 Planegg Phone 089/85701-0, Fax 089/85701-241 |
| Advice | Labor Phone 089/85701-0 |
| Emergency advice | Giftnotruf München (oder jedes andere Giftinformationszentrum) Phone 089/19240 |

2. Composition/information on ingredients

Chemical characterization

Product for disinfection, oxidation and flocculation of pool water.

Hazardous ingredients

| CAS-No. | Name | [%] | | |
|---------|--------------------------------|------|----|----------|
| 87-90-1 | Trichloroisocyanuric acid, dry | > 70 | O | R8-22-31 |
| | | | Xn | 36/37 |

3. Special hazards information for man and environment

R-phrases

| | |
|-------|---|
| 22 | Harmful if swallowed. |
| 31 | In case of contact with acids formation of toxic gas. |
| 36/37 | Irritating to eyes and respiratory system. |

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

Summon a doctor immediately.

If swallowed give water to drink.

! 5. Fire-fighting measures

! Suitable extinguishing material

Large quantities of water

Carbon dioxide

Sand

! Extinguishing material that may not be used for safety reasons

Small quantities of water

Dry fire-extinguishing substance

Special exposure hazards arising from the substance, combustiv products or resulting gases

Nitrogen trichloride

In the event of fire the following can be released:

Chlorine (Cl₂)**Special protective equipment for firefighters**

Use breathing apparatus with independent air supply.

Wear full protective suit.

Additional information

Cool containers at risk with water spray jet.

6. Accidental release measures**Personal precautions**

Ensure adequate ventillation.

Use personal protective clothing.

Keep away sources of ignition.

Environmental precautions

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

Methods for cleaning up/taking up

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

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

Rubber gloves

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

Data relevant for safety

| | Value | Temperature | At | Method | Remark |
|-----------------------------------|----------|-------------|--------|----------------|--------|
| pH value in delivery state | 2,8 | 20 °C | 10 g/l | potentiometric | |
| decomposition point | 225 °C | | | | |
| Solubility in water | 17,5 g/l | 25 °C | | | |

10. Stability and reactivity**Conditions to avoid**

Reactions with combustible substances.

Reactions with acids.

Reactions with impurities.

Hazardous decomposition products

Chlorine

Additional information

Durch Bleichwirkung Fleckenbildung auf Textilien, Folien, Anstrichen etc.

11. Toxicological information**Acute toxicity/Irritability/Sensitization**

| | Value/Validation | Species | Method | Remark |
|--------------------------|------------------|---------|--------|--------|
| LD 50 acute orale | 1450 mg/kg | rat | | |
| Irritability eye | irritant | | | |

12. Ecological information**Ecotoxicological effects**

| | Value | Species | Method | Validation |
|-------------|------------------|---------|--------|------------|
| Fish | LC50 > 0,05 mg/l | | | |



13. Disposal considerations

Waste code No.

06 03 05

Name of waste

solid salts containing chlorides, fluorides and other halogenated solid salts

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 transport (ADR/RID/GGVS/GGVE)**Remarks**

No dangerous mixture regarding the transport regulations

Marine transport IMDG/GGV See**Remarks**

No dangerous mixture regarding the transport regulations

Air transport ICAO/IATA**Remarks**

No dangerous mixture regarding the transport regulations

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

R-phrases

22 Harmful if swallowed.
31 In case of contact with acids formation of toxic gas.
36/37 Irritating to eyes and respiratory system.

S-phrases

1/2 Keep locked up and out of reach of children.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
46 If swallowed, seek medical advice immediately and show container or label.
8 Keep container dry.

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