

SAFETY DATA SHEET

(according to Regulation (EC) No 1907/2006 and to Commission Regulation (EU) 2020/878)

Date of issue / version no.: 27 Dec 2021 / 1.0

Product name: **AZURO CHLOR ŠOK G**

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

1.1. Product identifier

Product identifier: **AZURO CHLOR ŠOK G**
Other names: Troclosene natrium dihydrate
Index No.: 613-030-01-7
Registration number REACH: Not available yet

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

Identified uses: Pool water chemistry, preparation for pool water chlorination.
Biocidal preparation. Intended for sale to users.
Unadvisable uses: All other uses not specified in the directions for use.

1.3. Details of the supplier of the safety data sheet

Name of supplier: **Mountfield a.s.**
Registered office/place of business: Mirošovická 697, 251 64 Mnichovice
Telephone number: +420 255 704 261
Fax: +420 255 704 263
www: www.mountfield.cz
e-mail address of competent person responsible for the safety data sheet: info@infobl.cz

1.4. Emergency telephone number

112 (24 hour service) – applicable to EU countries only.
Czech Republic: +420 224 91 92 93; 224 91 54 02 (24hour service)
Klinika nemocí z povolání – Toxikologické informační středisko, Na Bojišti 1, 128 08 Praha 2, CZ

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4; H302

Eye Irrit. 2; H319

STOT SE 3; H335

Aquatic Acute 1; H400

Aquatic Chronic 1; H410

The substance is classified as hazardous within the meaning of Regulation (EC) No 1272/2008

The most important adverse physical, human health and environmental 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.

The full texts of all classifications and hazard statements are given in Section 16.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier:

AZURO CHLOR ŠOK G
Troclosene natrium dihydrate

Identification number:

Index No.: 613-030-01-7

Hazard pictogram:



Signal word:

Warning

Hazard statements:

H302 Harmful if swallowed.
H319 Causes serious eye irritation.

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Precautionary statements:

H335 May cause respiratory irritation.
H410 Very toxic to aquatic life with long lasting effects.
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P261 Avoid breathing dust.
P273 Avoid release to the environment.
P280 Wear protective gloves/eye protection.
P405 Store locked up.

Supplemental information on the label:

EUH031 Contact with acids liberates toxic gas.

Note: In order to avoid duplicity of texts, P statements describing first aid and storage and disposal of the product have been omitted since they are part of the complete text on the product label.

Packaging intended for sale to users must be provided with **tactile warnings of danger**.

Indication on the label must comply with the requirements of Regulation (EU) No. 528/2012 concerning the making available on the market and use of biocidal products.

2.3. Other hazards

The substance does not meet the criteria for PBT or vPvB classification.

SECTION 3: Composition/information on ingredients

3.1. Substances

Granules containing sodium dichloroisocyanurate, dihydrate (56% active chlorine).

Main ingredient

Product identifier	Concentration (% weight)	Index No. CAS No. EC No.	Classification according to Regulation (EC) No 1272/2008
Troclosene natrium dihydrate	100%	613-030-01-7 51580-86-0 220-767-7	Acute Tox. 4; H302 Eye Irrit. 2; H319 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH031

3.2. Mixtures

The product is a substance.

SECTION 4: First aid measures

4.1. Description of first aid measures

General instructions:

Take care of your own safety. If health problems occur, or if in doubt, seek medical help and provide information from this Safety Data Sheet.

Inhalation:

Cease the expose immediately, take the affected person to fresh air and protect them against getting chilled. If irritation, breathlessness or any other symptoms persist, seek medical help.

Skin contact:

Remove contaminated clothing. Wash the affected area with plenty of lukewarm water, if possible. If skin is not damaged, soap, soap solution or shampoo may be used. If skin irritation persists, seek medical help.

Eye contact:

Immediately start rinsing with running water, open eyelids wide (even with force); if contact lenses are worn, remove them immediately. Continue rinsing for at least 10 minutes. Seek medical help, preferably expert treatment.

Ingestion:

DO NOT INDUCE VOMITING – even inducing vomiting may cause complications (aspiration of the substance into airways and lungs, for

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example in detergents and other substances forming foam or mechanical damages to throat mucosa). If possible, give activated carbon in a small quantity (1-2 crushed tablets). If the person is symptomless, call a POISON CENTER to decide on the necessity of undergoing medical treatment, provide information on ingredients from original packaging of the SDS of the substance. Seek medical help for a person with medical problems.

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

Inhalation: Possible irritation of airways, coughing, headache.
Eye contact: Causes serious eye irritation.
Ingestion: Irritation, nausea.

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

Instructions for medical personnel: treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol resistant foam, carbon dioxide, powder
Unsuitable extinguishing media: Media containing nitrogen – risk of violent chemical reaction

5.2. Special hazards arising from the substance or mixture

Toxic gases may be released in fire (oxides of nitrogen, hydrogen chloride, chlorine). Inhalation of hazardous destructive (pyrolysis) products may cause serious damage to health.

5.3. Advice for firefighters

Use self-contained breathing apparatus (EN 137) and complete protective clothing (EN 469). Prevent used extinguishing media from entering the sewer system and water sources.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use protective clothing, goggles, protective gloves, and suitable respiratory protection. Immediately remove clothing contaminated with the product. Do not inhale dust. Ensure sufficient ventilation.

6.2. Environmental precautions

Prevent the product from entering the sewer system and water sources. If such release occurs, inform relevant authorities.

6.3. Methods and material for containment and cleaning up

Sprinkle scattered granulated product with soil or sand, sweep and place it into hermetically closed watertight containers, dispose of in compliance with Section 13. Wash the contaminated area with water.

6.4. Reference to other sections

Observe also provisions given in Sections 8 and 13 of this Safety Data Sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Instructions for safe handling:

Ensure good ventilation and extraction of the workplace. Do not inhale dust. Avoid contact with skin and eyes. Contaminated work clothes may be reused only after being thoroughly washed. Wash hands and face thoroughly with water and soap after finishing work. No eating drinking or smoking at work.

Use in compliance with the requirements of Regulation (EU) No. 528/2012 concerning the making available on the market and use of biocidal products, and with the directions for use (including the premedical first aid specified).

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Measures to protect the environment:

Prevent dust release and occurrence of dustiness. Collect damaged packaging mechanically and dispose of, if safe to do so. If a release occurs, proceed according to Section 6.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in a cool, dry, and well ventilated place, separately from foods, beverages, and feedstuff. Store away from acids and water.

Recommended storage temperature: max. 25 °C.

7.3. Specific end use(s)

Specific use is given in the instructions for use on the product packaging label or in the product documentation.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values according to Directive 2000/39/EC, as amended – are specified

CAS	Substance name	8 hours		Short time		Note
		mg/m ³	ppm	mg/m ³	ppm	
7782-50-5	chlorine	-	-	1.5	0.5	-

Limit values of biological exposure tests indicators are not specified in Directive no. 98/24/EC, as amended.

DNEL and PNEC values: not available yet

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide sufficient ventilation. Only personnel using personal protective equipment may handle the preparation. Provide an eye-fountain at the workplace.

8.2.2. Individual protection measures, such as personal protective equipment

Regulation (EU) No 2016/425 introduce all personal protective equipment used.

<i>Eye/face protection:</i>	Protective goggles (EN 166).
<i>Skin protection:</i>	<i>Hand protection:</i> Protective gloves (EN 374). Suitable: nitrile, thickness 0.11 mm, penetration time > 6 hr. The glove material must be impervious and product-resistant. It is necessary to find out from the glove producers and observe exact times of glove material penetration. <i>Other skin protection:</i> Suitable protective clothing, work footwear.
<i>Respiratory protection:</i>	If dust forms, use a suitable respirator with dust filter P2, P3.
<i>Thermal hazards:</i>	None.

8.2.3. Environmental exposure controls

Prevent the product from entering the sewer system, soil, ground and surface waters.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Powder (granulate)
Colour	White
Odour	Chlorine-like
Melting point/freezing point	Not specified
Boiling point or initial boiling point and boiling range	Not specified
Flammability	Not specified
Lower and upper explosion limit	Not specified

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Flash point	Not applicable
Auto-ignition temperature	Not pyrophoric
Decomposition temperature	240–250 °C
pH	5.5–6.6 (undiluted)
Kinematic viscosity	Not applicable
Solubility	In water: 285 g/l
Partition coefficient n-octanol/water (log value)	Not specified
Vapour pressure	Not applicable
Density and/or relative density	0.9–1.0 g/cm ³ Bulk density: 900–1,000 kg/m ³
Relative vapour density	Not applicable
Particle characteristics	Not specified

9.2. Other information

Data not available

SECTION 10: Stability and reactivity

10.1. Reactivity

Wet material may form nitrogen trichloride.

10.2. Chemical stability

Stable when stored and handled at normal conditions of the surroundings.

10.3. Possibility of hazardous reactions

Risk of explosion and/or formation of toxic gas with the following substances:

Organic substances, flammables, nitrogen compounds, ammonia, ammonium compounds, urea, alkalis, oxidising agents, reducing agents, water.

Releases metals when reacting with water. Releases toxic gas when reacting with acids.

10.4. Conditions to avoid

High temperature, humidity

10.5. Incompatible materials

Protect from strong acids, alkalis, and oxidising agents to prevent the occurrence of a strong exothermic reaction. Incompatible products: acids, water, ammonia, alkalis, calcium hypochlorite, reducing agents, and organic solvents.

10.6. Hazardous decomposition products

None are formed if the product is used as specified. Hazardous products are formed at high temperature and in fire, such as nitrogen oxides, hydrogen chloride, and chlorine.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Harmful if swallowed.

- LD ₅₀ , oral, rat (mg.kg ⁻¹):	1,400 (source Merck)
- LD ₅₀ , dermal, rabbit (mg.kg ⁻¹):	> 5,000 (source Merck)
- LC ₅₀ , inhalation, rat (mg.l ⁻¹):	Data not available

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

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Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Further information

Information on probable routes of exposure:

Inhalation: irritation of mucous membranes; coughing, breathlessness, possible damage to respiratory system.
Skin contact: mild irritation.
Eye contact: causes serious eye irritation.
Ingestion: irritation of mucous membranes in mouth, throat, oesophagus, and gastrointestinal tract.

11.2. Information on other hazards

Endocrine disrupting properties

No relevant data available.

SECTION 12: Ecological information

12.1. Toxicity

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

- LC ₅₀ , 96 hrs., fish (mg.l ⁻¹):	0.25 <i>Oncorhynchus mykiss</i> (source ECOTOX Database)
- EC ₅₀ , 48 hrs., crustacea (mg.l ⁻¹):	0.28 <i>Daphnia magna</i> (source ECOTOX Database)
- IC ₅₀ , 72 hrs., algae (mg.l ⁻¹):	Data not given

12.2. Persistence and degradability

Not biodegradable.

12.3. Bioaccumulative potential

Insignificant.

12.4. Mobility in soil

The product is soluble and mobile in soil and water. Possible contamination of watercourses in case of rain.

12.5. Results of PBT and vPvB assessment

PBT or vPvB – not applicable.

12.6. Endocrine disrupting properties

No relevant data available.

12.7. Other adverse effects

Prevent from entering the sewer system, ground and surface waters.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommended disposal method for legal persons and physical persons authorised to enterprise:

Must not be disposed of together with municipal waste. No to be discharged to the sewer system. Place unused preparation and contaminated packaging into labelled waste collection containers, hand over labelled waste for disposal to a specialised company authorised to carry out such activities.

Recommended disposal method: the product shall be recycled, if possible, or incinerated in an approved plant. Incineration or landfilling may be considered only when recycling is not possible. Contaminated packaging must be cleaned before being recycled. Cleaned packaging shall be recycled. Not to be mixed with other wastes.

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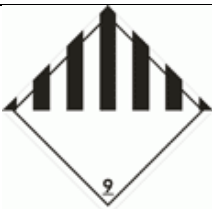
Catalogue numbers of waste types are to be assigned by the user upon the product application used and other facts. European Waste Catalogue (EWC):

Recommended waste code: 16 03 05
Contaminated packaging: 15 01 10
Cleaned empty packaging: subgroup 15 01 xx

Legal regulations relating to waste

Directive on waste 2006/12/EC and 2008/98/EC. Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1. UN number or ID number	UN 3077
14.2. UN proper shipping name	ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Troclosene sodium, dihydrate) IMDG, ICAO/IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Troclosene sodium, dihydrate)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	 Yes,
14.6. Special precautions for user	References in Sections 4 through 8
14.7. Maritime transport in bulk according to IMO instruments	Not known
Other information	 Limited quantities 5 kg Transport category 3

SECTION 15: Regulatory information

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

Restrictions on the substances or mixtures according to Annex XVII of the REACH: 3.

Candidate list (SVHC list of substances) – REACH article 59: none.

Substances subject to authorization (Annex XIV of the REACH Regulation): none.

SEVESO III (Directive 2012/18/EU): Hazard category E1

Regulation (EC) of the European Parliament and of the Council No 1907/2006 on Registration, evaluation, authorisation and restriction of chemicals (REACH)

Regulation (EC) of the European Parliament and of the Council No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP)

Regulation (EU) of the European Parliament and of the Council No 528/2012 concerning the making available on the market and use of biocidal products

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The recipient of the substance or mixture must take measures following the legal status of the substance or mixture (including substances contained in the mixture) in compliance with domestic legislation of the particular member state, and to list those legal regulations here.

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Changes to the SDS

Date of issue of the manufacturer's SDS: 1 Aug 2018 / 3.0

Revision history:

Version	Date	Changes
1.0	27 Dec 2021	First issue according to Regulation (EC) of the European Parliament and of the Council No 1907/2006

Legend to abbreviations and acronyms

CAS	Chemical Abstract Service
EC	European Community number of a chemical for EINECS, ELINCS and NLP inventories
PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	Very Persistent and Very Bioaccumulative
PNEC	Predicted No Effect Concentration(s)
DNEL	Derived No Effect Level
LD ₅₀	Lethal Dose to 50% of a test population (Median Lethal Dose)
LC ₅₀	Lethal Concentration to 50% of a test population
EC ₅₀	Half maximal effective concentration
IC ₅₀	Half maximal inhibitory concentration
SVHC	Substances of Very High Concern
Flam. Liq.	Flammable liquids
Flam. Sol.	Flammable solids
Aerosol	Aerosols
Flam. Gas	Flammable gases
Press. Gas	Gases under pressure
Ox. Liq.	Oxidising Liquids
Ox. Sol.	Oxidising Solids
Met. Corr.	Corrosive to metals
Acute Tox.	Acute toxicity
Eye Dam.	Serious eye damage
Eye Irrit.	Serious eye irritation
Skin Corr.	Skin corrosion
Skin Irrit.	Skin irritation
Skin Sens.	Sensitisation - Skin
Resp. Sens.	Sensitisation - Respiratory
STOT SE	Specific target organ toxicity - Single exposure
STOT RE	Specific target organ toxicity - Repeated exposure
Asp. Tox.	Aspiration hazard
Repr.	Reproductive toxicity
Carc.	Carcinogenicity
Muta.	Germ cell mutagenicity
Aquatic Acute	Hazardous to the aquatic environment - Acute Hazard
Aquatic Chronic	Hazardous to the aquatic environment - Chronic Hazard

Key literature references and sources for data

The information contained herein is based on our best knowledge and the present legislation. Further, the Safety Data Sheet has been elaborated on the basis of the original Safety Data Sheet provided by the manufacturer.

Methods used for classification

The substance classification was assessed by the manufacturer and adopted by the distributor upon Art. 4, par. 5 of Regulation (EC) No. 1907/2006 (use of classification derived by a supply chain participant).

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List of relevant hazard statements and precautionary statements used in the SDS

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.

EUH031 Contact with acids liberates toxic gas.

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P261 Avoid breathing dust.

P273 Avoid release to the environment.

P280 Wear protective gloves/eye protection.

P405 Store locked up.

Training advice

According to article 35 of Regulation (EC) of the European Parliament and of the Council no. 1907/2006, workers and their representatives shall be granted access by their employer to the information provided in the SDS in relation to the product that they use or may be exposed to in the course of their work.

The occupational safety at the workplace is governed by Directive 91/383/EEC.

Other information

For further information see Section 1.3.

This Safety data Sheet contains data for ensuring occupational safety and health protection and protection of the environment. The data provided correspond to the current state of knowledge and experience and comply with currently valid legal regulations. However, they may not be considered to be any guarantee of the product suitability and usability for particular applications.