



SAFETY DATA SHEET
Turoksi Chlorine Dioxide
According to Regulation (EU) No 2015/830

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name Turoksi Chlorine Dioxide

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

Identified uses Pool water and drinking water disinfectant.

1.3. Details of the supplier of the safety data sheet

Supplier Turoksi Kimyevi Maddeleri Sanayi Ticaret Limited Şirketi

Head Office Address Ömerağa Mahallesi Alemdar Cad. No:42/6 İzmit / Kocaeli, Turkey
Tel: +90 262 321 65 76
Fax: +90 262 321 65 53
www.turoksikimya.com

Factory address Tekeler Mah. Kavacık Sok. Keresteciler San. Sitesi No:3/1-2 Adapazarı / Sakarya, Turkey

Contact Person Hüseyin DURUMER

1.4. Emergency telephone number

Turoksi Kimyevi: +90 264 666 12 07 (office hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008) Not classified.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008

No labelling required. Not classified.

Hazard Statements

Not classified.

Precautionary Statements

P103 Read label before use.

P501 Dispose of contents/container in accordance with national regulations.

Additional labeling information

EUH210 Safety data sheet available on request.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Name	EC No.	CAS No.	Content	Classification (EC) No 1272/2008)
Chlorine dioxide	233-162-8	10049-04-4	0,3%	Press. Gas-H280 Ox. Gas 1-H270 Skin Corr. 1B-H314 Acute Tox. 2-H330 Aquatic Acute 1-H400 (M=10)



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SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Immediate medical attention is not required. No special requirements.

Ingestion

Immediate medical attention is not required. Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin contact

Immediate medical attention is not required. Wash the skin with water. Get medical attention if any discomfort continues.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

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

Inhalation : No special symptoms.

Ingestion : No special symptoms.

Skin contact : No special symptoms.

Eye contact : Redness.

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

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media : Water mist, carbon dioxide, foams or dry chemicals.

Unsuitable extinguishing media : No data available.

5.2. Special hazards arising from the substance or mixture

In case of fire, toxic gases may be formed.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Move container from fire area if it can be done without risk.

If possible, fight fire from protected position.

Protective equipment for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Face mask, protective gloves and safety helmet.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with eyes.

6.2. Environmental precautions

No special requirements.

6.3. Methods and material for containment and cleaning up

Collect in containers and seal securely. Label containers appropriately. Remove containers and flush area with water.



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6.4. Reference to other sections

For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not eat, drink or smoke when using the product. Avoid contact with eyes. In line with good hygienic practices in the workplace avoid any unnecessary contact with skin. Read and follow manufacturer's recommendations. Protect against direct sunlight.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.
Keep away from food, drink and animal feeding stuffs. Protect from light, including direct sunrays.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits

No data available.

8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash, quick drench.

Engineering measures

Not necessary under normal conditions.
Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapour.

Respiratory equipment

Not necessary under normal conditions.

Hand protection

Not necessary under normal conditions. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

Not necessary under normal conditions.
Wear chemical resistant safety goggles where there is danger of eye contact.

Hygiene measures

Wash hands after contact. Change work clothing daily before leaving workplace.
Wash contaminated clothing before reuse. When using do not eat, drink or smoke.

Skin protection

Not necessary under normal conditions.
Wear apron or protective clothing in case of splashes.

Environmental Exposure Controls

Please act in accordance with local and national laws.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Greenish Yellow
Odour	Characteristic
Odour threshold	No data available.
Solubility (water)	Fully soluble.
Boiling Point	96-102 °C
Melting point	No data available.
pH-Value	1.8 - 6.0 (@25°C)
Flash Point	No data available.
Upper/ lower flammability or explosive limits	No data available.
Density	1,0-1,2 g/ml
Flammability (solid, gas)	No data available.
Partition coefficient	No data available.
Viscosity	1.01 cP (@20°C)
Decomposition temperature	No data available.
Explosive properties	No data available.
Oxidising properties	No data available.

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

Polymerisation will not occur.

10.4. Conditions to avoid

Extreme heat.

10.5. Incompatible materials

Strong oxidizers, acids or bases.

10.6. Hazardous decomposition products

During fire, toxic gases (CO, CO₂) are formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity - product

Based on available data the classification criteria are not meet.



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Acute toxicity - Chlorine dioxide

LC₅₀combined = 89 mg/m³air (95% CL 69 -119 mg/m³).

Skin corrosion / irritation

Based on available data the classification criteria are not meet.

Serious eye damage / irritation

Based on available data the classification criteria are not meet.

Respiratory or skin sensitisation

Based on available data the classification criteria are not meet.

Germ cell mutagenicity

Based on available data the classification criteria are not meet.

Carcinogenicity

Based on available data the classification criteria are not meet.

Reproduction Toxicity

Based on available data the classification criteria are not meet.

STOT - single exposure

Based on available data the classification criteria are not meet.

STOT - repeated exposure

Based on available data the classification criteria are not meet.

Aspiration hazard

Based on available data the classification criteria are not meet.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

The product is not classified as environmentally hazardous.

12.2. Persistence and degradability

The product is readily biodegradable.

12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Should not be released to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Can be dispose as house waste. Environmental manager must be informed of all major spillages.



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SECTION 14: TRANSPORT INFORMATION

General The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport Labels No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Guidance Notes

Workplace Exposure Limits EH40.

CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures.

Regulation (EC) No 1907/2006.

15.2. Chemical Safety Assessment

See the cosmetic product safety assessment.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.

IATA: International Air Transport Association.

ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

ATE: Acute Toxicity Estimate.

EC No: The European Community number

CAS: Chemical Abstracts Service.

LC₅₀: Lethal Concentration to 50 % of a test population.

LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).

EC₅₀: 50% of maximal Effective Concentration.



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PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.
STOT: Specific Target Organ Toxicity.

Information Sources

This SDS is prepared based on the information received from the product owner.

Revision Comments

First issue.

Hazard Statements In Full

H280 Contains gas under pressure; may explode if heated.
H270 May cause or intensify fire; oxidiser.
H314 Causes severe skin burns and eye damage.
H330 Fatal if inhaled.
H400 Very toxic to aquatic life.

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