# SAFETY DATA SHEET
# G-OXI SPRAY Color

Commission Regulation (EU) 2020/878 of 18 June 2020.
According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

### *1.1. Product identifier*

**Product name** G-OXI SPRAY Color

**UFI** UFI: M880-D0SF-8000-A0T1

**Product number** 125495,125538

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

**Identified uses** Stain remover for colored laundry, removes stains of various origins

### *1.3. Details of the supplier of the safety data sheet*

**Supplier** BCG Turkey Kimya A.Ş.
Karamehmet Mahallesi, Avrupa Serbest Bölgesi 11. Sokak No:5, Ergene, 59930 Tekirdağ
Tel: 90 (282) 691 10 05
www.bcg-turkiye.com

**Contact person** info@bcg-turkiye.com

### *1.4. Emergency telephone number*

**Emergency telephone** BCG Türkiye: 90 (282) 691 10 05

## SECTION 2: Hazards identification

### *2.1. Classification of the substance or mixture*

**Classification (SI 2019 No. 720)**

**Physical hazards** Not Classified

**Health hazards** Eye Dam. 1 - H318

**Environmental hazards** Not Classified

**Additional information** Classification (Regulation (EC) No. 1272/2008).

### *2.2. Label elements*

**Hazard pictograms**

**Signal word** Danger

**Hazard statements** H318 Causes serious eye damage.

**Precautionary statements** P102 Keep out of reach of children.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/ doctor.

**Contains** Hydrogen peroxide solution, Alcohols, C12-18, ethoxylated, Alcohols, C12-14, ethoxylated, sulfates, sodium salts

**Detergent labelling** 5 - < 15% oxygen-based bleaching agents
< 5% anionic surfactants
< 5% non-ionic surfactants
Methylchloroisothiazolinone and methylisothiazolinone

### *2.3. Other hazards*

This product does not contain any substances classified as PBT or vPvB.

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## SECTION 3: Composition/information on ingredients

*3.2. Mixtures*

**Hydrogen peroxide solution** **5-10%**

CAS number: 7722-84-1 EC number: 231-765-0

Specific Concentration Limits - Hydrogen peroxide solution: Skin Corr. 1A; H314: C ≥ 70 %, Skin Corr. 1B; H314: 50 % ≤ C < 70 %, Eye Dam. 1; H318: 8 % ≤ C < 50 %, Eye Irrit. 2; H319: 5 % ≤ C < 8 %, Skin Irrit. 2; H315: 35 % ≤ C < 50 %, Ox. Liq. 1; H271: C ≥ 70 %, Ox. Liq. 2; H272: 50 % ≤ C < 70 %, STOT SE 3; H335;C ≥ 35 %.

**Classification**
Ox. Liq. 1 - H271
Acute Tox. 4 - H302
Acute Tox. 4 - H332
Skin Corr. 1A - H314
Eye Dam. 1 - H318
STOT SE 3 - H335

**Alcohols, C12-18, ethoxylated** **1-5%**

CAS number: 68213-23-0 EC number: 500-201-8

**Classification**
Acute Tox. 4 - H302
Eye Dam. 1 - H318
Aquatic Chronic 3 - H412

**Alcohols, C12-14, ethoxylated, sulfates, sodium salts** **1-5%**

CAS number: 68891-38-3 EC number: 500-234-8

Eye Dam. 1 - H318:≥10%.Eye Irrit. 2 - H319:≥5 - 10%

**Classification**
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
Aquatic Chronic 3 - H412

**Sodium xylenesulphonate** **<1%**

CAS number: 1300-72-7 EC number: 215-090-9

**Classification**
Eye Irrit. 2 - H319

**Diethyl phthalate** **<1%**

CAS number: 84-66-2 EC number: 201-550-6

**Classification**
Not Classified

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| | |
|---|---|
| **Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one with 2-methyl-4-isothiazolin-3-one(3:1)** | **<1%** |
| CAS number: 55965-84-9 | |
| M factor (Acute) = 100 | M factor (Chronic) = 100 |
| SCL:Skin Corr. 1C - H314C≥0,6 %Skin Irrit. 2 - H3150,06≤ C <0,6 %Eye Dam. 1 - H318C≥0,6 %Eye Irrit. 2 - H3190,06≤ C <0,6 %Skin Sens. 1A - H317C≥0,0015 % | |

**Classification**
Acute Tox. 3 - H301
Acute Tox. 2 - H310
Acute Tox. 2 - H330
Skin Corr. 1C - H314
Eye Dam. 1 - H318
Skin Sens. 1A - H317
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

The full text for all hazard statements is displayed in Section 16.

## SECTION 4: First aid measures

### *4.1. Description of first aid measures*

**General information** Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

**Inhalation** Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

**Ingestion** Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.

**Skin contact** Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if symptoms are severe or persist after washing.

**Eye contact** Rinse immediately with plenty of water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

**Protection of first aiders** First aid personnel should wear appropriate protective equipment during any rescue.

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

**General information** The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation** Slightly irritating. Coughing.

**Ingestion** May cause irritation.

**Skin contact** No specific symptoms known. Prolonged skin contact may cause temporary irritation. May cause skin sensitisation or allergic reactions in sensitive individuals.

**Eye contact** Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

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

**Notes for the doctor** Treat symptomatically.

## SECTION 5: Firefighting measures

### *5.1. Extinguishing media*

**Suitable extinguishing media** The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

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**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

*5.2. Special hazards arising from the substance or mixture*

**Specific hazards** Containers can burst violently or explode when heated, due to excessive pressure build-up.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

*5.3. Advice for firefighters*

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

*6.1. Personal precautions, protective equipment and emergency procedures*

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Avoid contact with skin and eyes.

*6.2. Environmental precautions*

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

*6.3. Methods and material for containment and cleaning up*

**Methods for cleaning up** Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

*6.4. Reference to other sections*

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

*7.1. Precautions for safe handling*

**Usage precautions** Keep out of the reach of children. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Avoid breathing vapour/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

*7.2. Conditions for safe storage, including any incompatibilities*

**Storage precautions** Store away from incompatible materials (see Section 10). Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Protect from sunlight. Keep away from heat, sparks and open flame. Store away from the following materials: Acids.

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**Storage class** Non-flammable liquids that can not be assigned to any of the aforementioned LGK

*7.3. Specific end use(s)*

**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**

**Hydrogen peroxide solution**

Long-term exposure limit (8-hour TWA): WEL 1 ppm 1.4 mg/m³
Short-term exposure limit (15-minute): WEL 2 ppm 2.8 mg/m³
WEL = Workplace Exposure Limit.

*Hydrogen peroxide solution (CAS: 7722-84-1)*

**DNEL** Workers - Inhalation; Long term local effects: 1,4 mg/m³

*Alcohols, C12-18, ethoxylated (CAS: 68213-23-0)*

**DNEL**
Workers - Inhalation; Long term systemic effects: 294 mg/m³
Workers - Dermal; Long term systemic effects: 2080 mg/kg/day
General population - Inhalation; Long term systemic effects: 87 mg/m³
General population - Dermal; Long term systemic effects: 1250 mg/kg/day
General population - Oral; Long term systemic effects: 25 mg/kg/day

**PNEC**
Fresh water; 0.048 mg/l
Fresh water, Intermittent release; 0.004 mg/l
marine water; 0.048 mg/l
STP; 10 g/l
Sediment (Freshwater); 292 mg/kg
Sediment (Marinewater); 292 mg/kg
Soil; 1 mg/kg

*Alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)*

**DNEL**
Workers - Dermal; Long term systemic effects: 2750 mg/kg
Workers - Inhalation; Long term systemic effects: 175 mg/m³
Workers - Dermal; Long term local effects: 132 µg/cm²
Consumer - Dermal; Long term systemic effects: 1650 mg/kg
Consumer - Inhalation; Long term systemic effects: 52 mg/m³
General population - Dermal; Long term systemic effects: 79 µg/cm²
Consumer - Oral; Long term systemic effects: 15 mg/kg

**PNEC**
Fresh water; 0.24 mg/l
marine water; 0.024 mg/l
Intermittent release; 0.071 mg/l
STP; 10000 mg/l
Sediment (Freshwater); 0.917 mg/kg
Sediment (Marinewater); 0.092 mg/kg
Soil; 7.5 mg/kg

*8.2. Exposure controls*

**Protective equipment**

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|---|---|
| **Appropriate engineering controls** | Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients. |
| **Eye/face protection** | Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead. |
| **Hand protection** | Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended. |
| **Other skin and body protection** | Wear appropriate clothing to prevent repeated or prolonged skin contact. |
| **Hygiene measures** | Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product. |
| **Respiratory protection** | Ensure all respiratory protective equipment is suitable for its intended use and is 'UKCA'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges suitable for intended use should be used. Full face mask respirators with replaceable filter cartridges suitable for intended use should be used. Half mask and quarter mask respirators with replaceable filter cartridges suitable for intended use should be used. |
| **Environmental exposure controls** | Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |

## SECTION 9: Physical and chemical properties

### *9.1. Information on basic physical and chemical properties*

| | |
|---|---|
| **Appearance** | Liquid. |
| **Colour** | Green. |
| **Odour** | No information available. |
| **Odour threshold** | No information available. |
| **pH** | pH (concentrated solution): 3 |
| **Melting point** | No information available. |
| **Initial boiling point and range** | No information available. |
| **Flash point** | No information available. |
| **Evaporation rate** | No information available. |
| **Evaporation factor** | No information available. |
| **Flammability (solid, gas)** | No information available. |
| **Upper/lower flammability or explosive limits** | No information available. |
| **Vapour pressure** | No information available. |
| **Vapour density** | No information available. |
| **Relative density** | No information available. |
| **Bulk density** | No information available. |
| **Solubility(ies)** | No information available. |
| **Partition coefficient** | No information available. |

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| | |
|---|---|
| **Auto-ignition temperature** | No information available. |
| **Decomposition Temperature** | No information available. |
| **Viscosity** | 5-3000 cp |
| **Explosive properties** | No information available. |
| **Oxidising properties** | No information available. |
| **Particle characteristics** | Not applicable. |

*9.2. Other information*

| | |
|---|---|
| **Other information** | No information available. |

## SECTION 10: Stability and reactivity

*10.1. Reactivity*

| | |
|---|---|
| **Reactivity** | See the other subsections of this section for further details. |

*10.2. Chemical stability*

| | |
|---|---|
| **Stability** | Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions. |

*10.3. Possibility of hazardous reactions*

| | |
|---|---|
| **Possibility of hazardous reactions** | The following materials may react with the product: Acids. |

*10.4. Conditions to avoid*

| | |
|---|---|
| **Conditions to avoid** | Avoid exposure to high temperatures or direct sunlight. |

*10.5. Incompatible materials*

| | |
|---|---|
| **Materials to avoid** | Acids. |

*10.6. Hazardous decomposition products*

| | |
|---|---|
| **Hazardous decomposition products** | Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. |

## SECTION 11: Toxicological information

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

**Acute toxicity - oral**

| | |
|---|---|
| **Notes (oral $LD_{50}$)** | Based on available data the classification criteria are not met. |
| **ATE oral (mg/kg)** | 6,097.56 |

**Acute toxicity - dermal**

| | |
|---|---|
| **Notes (dermal $LD_{50}$)** | Based on available data the classification criteria are not met. |

**Acute toxicity - inhalation**

| | |
|---|---|
| **Notes (inhalation $LC_{50}$)** | Based on available data the classification criteria are not met. |
| **ATE inhalation (vapours mg/l)** | 164.18 |

**Skin corrosion/irritation**

| | |
|---|---|
| **Skin corrosion/irritation** | Based on available data the classification criteria are not met. |

**Serious eye damage/irritation**

| | |
|---|---|
| **Serious eye damage/irritation** | Causes serious eye damage. |

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**Respiratory sensitisation**

**Respiratory sensitisation** Based on available data the classification criteria are not met.

**Skin sensitisation**

**Skin sensitisation** Based on available data the classification criteria are not met.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

**Carcinogenicity**

**Carcinogenicity** Based on available data the classification criteria are not met.

**IARC carcinogenicity** Contains a substance which may be potentially carcinogenic. IARC Group 3 Not classifiable as to its carcinogenicity to humans.

**Reproductive toxicity**

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Based on available data the classification criteria are not met.

**Specific target organ toxicity - single exposure**

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

**Aspiration hazard**

**Aspiration hazard** Based on available data the classification criteria are not met.

*11.2. Information on other hazards*

**Information on other hazards** This product does not contain any known or suspected endocrine disruptors.

**Toxicological information on ingredients.**

***Hydrogen peroxide solution***

*Acute toxicity - oral*

**Notes (oral $LD_{50}$)** $LD_{50}$ 376 mg/kg, Oral, Rat

**ATE oral (mg/kg)** 500.0

*Acute toxicity - dermal*

**Notes (dermal $LD_{50}$)** $LD_{50}$ 3.000 mg/kg, Dermal, Rat

*Acute toxicity - inhalation*

**Notes (inhalation $LC_{50}$)** LC50 2 mg/l, 4 hour, Vapour Rat

**ATE inhalation (vapours mg/l)** 11.0

*Carcinogenicity*

**IARC carcinogenicity** IARC Group 3 Not classifiable as to its carcinogenicity to humans.

***Alcohols, C12-18, ethoxylated***

*Acute toxicity - oral*

**ATE oral (mg/kg)** 500.0

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***Alcohols, C12-14, ethoxylated, sulfates, sodium salts***

*Acute toxicity - oral*

| | |
|---|---|
| **Acute toxicity oral ($LD_{50}$ mg/kg)** | 2,870.0 |
| **Species** | Rat |
| **Notes (oral $LD_{50}$)** | $LD_{50}$ 2870 mg/kg, Oral, Rat |
| **ATE oral (mg/kg)** | 2,870.0 |

*Acute toxicity - dermal*

| | |
|---|---|
| **Notes (dermal $LD_{50}$)** | $LD_{50}$ >2000 mg/kg bw , Dermal, Rat |

*Skin corrosion/irritation*

| | |
|---|---|
| **Skin corrosion/irritation** | Causes skin irritation. |
| **Animal data** | (OECD Test Guideline 404) Rabbit. |

*Serious eye damage/irritation*

| | |
|---|---|
| **Serious eye damage/irritation** | Causes serious eye damage.<br>(OECD Test Guideline 405) Rabbit. |

*Reproductive toxicity*

| | |
|---|---|
| **Summary** | In the present two-generation reproductive toxicity study in the rat, which was compliant with OECD 416 and performed under GLP conditions, rats were treated with 0.03, 0.1 and 0.3% test substance in drinking water. In summary, there was no effect of treatment at any dose level neither on reproduction nor systemic toxicity of the parents or offspring. The reproductive/developmental and the systemic NOAEL were therefore considered to be ≥0.3 %;, corresponding to roughly ≥ 300 mg/kg bw/day. |
| **Toxicokinetics** | Absorption rate - oral (%): 100<br>Absorption rate - dermal (%): 0.9 |
| **Repeated dose toxicity** | NOAEL, 90 d 300 mg/kg bw/d, Oral, Rat<br>Based on available data the classification criteria are not met. |

***Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one with 2-methyl-4-isothiazolin-3-one(3:1)***

*Acute toxicity - oral*

| | |
|---|---|
| **Notes (oral $LD_{50}$)** | $LD_{50}$ 53 mg/kg, Oral, Rat |
| **ATE oral (mg/kg)** | 100.0 |

*Acute toxicity - dermal*

| | |
|---|---|
| **ATE dermal (mg/kg)** | 50.0 |

*Acute toxicity - inhalation*

| | |
|---|---|
| **ATE inhalation (vapours mg/l)** | 0.5 |

## SECTION 12: Ecological information

**Ecotoxicity** Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

*12.1. Toxicity*

**Toxicity** Based on available data the classification criteria are not met.

**Ecological information on ingredients.**

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*Hydrogen peroxide solution*

*Acute aquatic toxicity*

| | |
|---|---|
| **Acute toxicity - fish** | $LC_{50}$, 96 hour: 22-26,7 mg/l, |
| **Acute toxicity - aquatic invertebrates** | $EC_{50}$, 48 hour: 2,32–24 mg/l, |
| **Acute toxicity - aquatic plants** | $EC_{50}$, 72 hour: 0,71-5,81 mg/l, Algae |

*Alcohols, C12-18, ethoxylated*

*Acute aquatic toxicity*

| | |
|---|---|
| **Acute toxicity - fish** | $LC_{50}$, 96 hour: 0.876 mg/l,<br>$EC_{20}$, 30 day: 0.86 mg/l, |
| **Acute toxicity - aquatic invertebrates** | $EC_{50}$, 48 hour: 2.7 mg/l, Daphnia magna<br>$EC_{20}$, 21 day: 0.469 mg/l, Daphnia magna |

*Alcohols, C12-14, ethoxylated, sulfates, sodium salts*

| | |
|---|---|
| **Toxicity** | Harmful to aquatic life with long lasting effects. |

*Acute aquatic toxicity*

| | |
|---|---|
| **Acute toxicity - fish** | $LC_{50}$, : >10-100 mg/l, Fish<br>$LC_{50}$, 96 hour: 7.1 mg/l, Danio rerio (zebra fish)<br>(OECD 203) |
| **Acute toxicity - aquatic invertebrates** | $EC_{50}$, 48 hour: 7.4 mg/l, Daphnia sp.<br>(OECD 202)<br>(Daphnia sp. Acute Immobilisation Test) |
| **Acute toxicity - aquatic plants** | ErC50, 72 hour: 27.7 mg/l, Scenedesmus subspicatus<br>(OECD 201) |
| **Acute toxicity - microorganisms** | $EC_{0}$, : >100 mg/l, Bacteria |

*Chronic aquatic toxicity*

| | |
|---|---|
| **Chronic toxicity - aquatic invertebrates** | NOEC, : > 0,1 - 1 mg/l, |
| **Toxicity to soil** | EC10, 56 day: ≥750 mg a.i./kg soil dw , Eisenia Fetida (Earthworm) |
| **NOEC-Fish** | 0.14 mg/L, Oncorhynchus mykiss (similar to OECD 215) |
| **NOEC-Aquatic Invertebrates** | 0.27 mg/L, (QSAR-model) |
| **NOEC-Aquatic Plants** | 0.95 mg/L, Scenedesmus subspicatus (OECD 201) |

*Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one with 2-methyl-4-isothiazolin-3-one(3:1)*

*Acute aquatic toxicity*

| | |
|---|---|
| **$LE(C)_{50}$** | 0.001 < L(E)C50 ≤ 0.01 |
| **M factor (Acute)** | 100 |
| **Acute toxicity - fish** | $LC_{50}$, 96 hour: 1.36 mg/l, Oncorhynchus mykiss (Rainbow trout)<br>NOEC, 96 hours: 0.36 mg/l, Oncorhynchus mykiss (Rainbow trout) |
| **Acute toxicity - aquatic invertebrates** | $EC_{50}$, 48 hour: 1.14 mg/l, Daphnia magna<br>NOEC, 48 hours: 0.86 mg/l, Daphnia magna |

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| | |
|---|---|
| **Acute toxicity - aquatic plants** | ErC50, 72 hours: 382.1 µg/L, Selenastrum capricornutum<br>NOEC, 72 hours: 8.29 µg/L, Selenastrum capricornutum |
| **Acute toxicity - microorganisms** | $EC_{50}$, 3 hours: 32.14 mg/l, Activated sludge<br>NOEC, 3 hours: 6.5 mg/l, Activated sludge |
| *Chronic aquatic toxicity* | |
| **M factor (Chronic)** | 100 |

*12.2. Persistence and degradability*

**Persistence and degradability** The degradability of the product is not known. Expected to be readily biodegradable.

**Ecological information on ingredients.**

*Alcohols, C12-18, ethoxylated*

| | |
|---|---|
| **Persistence and degradability** | The substance is readily biodegradable. > 60 % BOI, 30 day Aerobic. (OECD 301D) |
| **Biodegradation** | Air, Aerobic - Degradation 93%: 28 day |

*Alcohols, C12-14, ethoxylated, sulfates, sodium salts*

| | |
|---|---|
| **Persistence and degradability** | The substance is readily biodegradable.<br>This surfactant complies with the biodegradability criteria as laid down in The Detergents Regulations (as amended). |
| **Biodegradation** | Water - Degradation 100%: 28 day<br>EU Method C.4-A (Determination of the "Ready" Biodegradability - Dissolved Organic Carbon (DOC) Die-Away Test)<br>- Degradation >=77%: 28 day<br>(O2 consumption)<br>(OECD Test Guideline 301D) |

*12.3. Bioaccumulative potential*

**Bioaccumulative potential** No data available on bioaccumulation. The product does not contain any substances expected to be bioaccumulating.

**Partition coefficient** No information available.

**Ecological information on ingredients.**

*Alcohols, C12-18, ethoxylated*

**Bioaccumulative potential** No potential for bioaccumulation. Bioaccumulation is unlikely.

*Alcohols, C12-14, ethoxylated, sulfates, sodium salts*

**Bioaccumulative potential** log Kow: <=3, Low potential.
Alkyl ether sulfates have a limited potential to bioaccumulate. Available studies on the uptake and elimination of surfactants suggest a rapid uptake, but also fast biotransformation and elimination of the substances. The proposed mechanism for the elimination is the enzymatic breakdown to polar metabolites and alkyl chains by ω- and ß-oxidations subsequently or in parallel.

*Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one with 2-methyl-4-isothiazolin-3-one(3:1)*

**Partition coefficient** log Kow: -0.71 - 0.75

*12.4. Mobility in soil*

**Mobility** No data available.

# G-OXI SPRAY Color

Commission Regulation (EU) 2020/878 of 18 June 2020.
According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

### *12.5. Results of PBT and vPvB assessment*

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### *12.6. Endocrine disrupting properties*

**Endocrine disrupting properties** The product does not contain any endocrine disrupting substance.

### *12.7. Other adverse effects*

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### *13.1. Waste treatment methods*

**General information** The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

**Disposal methods** Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.

**Waste class** 20 01 29* Detergents containing dangerous substances

## SECTION 14: Transport information

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

### *14.1. UN number or ID number*

Not applicable.

### *14.2. UN proper shipping name*

Not applicable.

### *14.3. Transport hazard class(es)*

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. Maritime transport in bulk according to IMO instruments*

**Maritime transport in bulk according to IMO instruments** Not applicable.

# G-OXI SPRAY Color

Commission Regulation (EU) 2020/878 of 18 June 2020.
According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

## SECTION 15: Regulatory information

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

**National regulations**

Health and Safety at Work etc. Act 1974 (as amended).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
EH40/2005 Workplace exposure limits.
Commission Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
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 (as amended).
Commission Regulation (EU) 2020/878 of 18 June 2020.
The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

**Authorisations (SI 2020 No. 1577 Annex XIV) and REACH 1907/2006, Annex XIV**

No specific authorisations are known for this product.

**Restrictions (SI 2020 No. 1577 Annex XVII) and REACH 1907/2006, Annex XVII**

No specific restrictions on use are known for this product.

**Seveso Directive - Control of major accident hazards**

Not relevant.

### *15.2. Chemical safety assessment*

No chemical safety assessment has been carried out.

## 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: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.
CAS: Chemical Abstracts Service.
ATE: Acute Toxicity Estimate.
LC50: Lethal Concentration to 50 % of a test population.
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).
$EC_{50}$: 50% of maximal Effective Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.

**Classification abbreviations and acronyms**

Eye Dam. = Serious eye damage

**Key literature references and sources for data**

Source: European Chemicals Agency, http://echa.europa.eu/ This SDS is prepared based on the information and documents received from product owner. CRAD or/and SDS author shall not be responsible for incorrect preapared of SDS and pecuniary loss or intangible damages because of deficient or wrong information and documents which comes from product owner.

**Classification procedures**

Eye Dam. 1 - H318: : Calculation method.

# G-OXI SPRAY Color

Commission Regulation (EU) 2020/878 of 18 June 2020.
According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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|---|---|
| **Training advice** | Only trained personnel should use this material. |
| **Revision comments** | This is the first issue. |
| **Issued by** | Bülent Özdemir / CRAD<br>gbf@crad.com.tr |
| **Revision date** | 03/09/2024 |
| **Revision** | 0.1 |
| **Supersedes date** | 03/09/2024 |
| **SDS number** | 15413 |
| **Hazard statements in full** | H271 May cause fire or explosion; strong oxidiser.<br>H301 Toxic if swallowed.<br>H302 Harmful if swallowed.<br>H310 Fatal in contact with skin.<br>H314 Causes severe skin burns and eye damage.<br>H315 Causes skin irritation.<br>H317 May cause an allergic skin reaction.<br>H318 Causes serious eye damage.<br>H319 Causes serious eye irritation.<br>H330 Fatal if inhaled.<br>H332 Harmful if inhaled.<br>H335 May cause respiratory irritation.<br>H400 Very toxic to aquatic life.<br>H410 Very toxic to aquatic life with long lasting effects.<br>H412 Harmful to aquatic life with long lasting effects. |