



## SAFETY DATA SHEET

### 230 Dyosil

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

##### 1.1. Product identifier

**Product name** 230 Dyosil

**Tanım** Water borne exterior paint, based on silicone emulsion.

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

**Identified uses** All types of exterior mineral facades; masonry, concrete, plaster, brick, tile, asbestos, cement etc

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

**Supplier** DYO Boya Fabrikaları San. ve Tic. A.Ş  
D.O.S.B 2.Kısım Fırat Cad. No:11 Dilovası/Kocaeli/Turkey  
www.dyo.com.tr  
02627547560  
02627547571

**Contact person** Kenan Sabak

**Manufacturer** DYO Boya Fabrikaları San. ve Tic. A.Ş  
D.O.S.B 2.Kısım Fırat Cad. No:11 Dilovası/Kocaeli/Turkey  
www.dyo.com.tr  
02627547560  
02627547571

##### 1.4. Emergency telephone number

**Emergency telephone** 02627547560 / 02624440396

#### SECTION 2: Hazards identification

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

###### Classification

**Physical hazards** Not Classified

**Health hazards** Not Classified

**Environmental hazards** Not Classified

##### 2.2. Label elements

**Hazard statements** EUH208 Contains 2-oktil-2H-izotiazol-3-on, karışım: 5-kloro-2-metil-4-izotiazolin-3-on [EC no. 247-500-7] ve 2-metil-2H -izotiazol-3-on [EC no. 220-239-6] (3:1). May produce an allergic reaction.

##### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

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<b>ETHANEDIOL</b>	<b>1-5%</b>
CAS number: 107-21-1	EC number: 203-473-3
<b>Classification</b> Acute Tox. 4 - H302	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22
<b>Pyrithione Zinc</b>	<b>&lt;1%</b>
CAS number: 13463-41-7	EC number: 236-671-3
M factor (Acute) = 10	M factor (Chronic) = 1
<b>Classification</b> Acute Tox. 3 - H301 Acute Tox. 2 - H330 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> T; R23/25. Xi; R41. N; R50/53
<b>2-OCTYL-2H-ISOTHIAZOL-3-ONE</b>	<b>&lt;1%</b>
CAS number: 26530-20-1	EC number: 247-761-7
M factor (Acute) = 10	M factor (Chronic) = 1
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 3 - H331 Skin Sens. 1 - H317 Acute Tox. 3 - H311 Eye Dam. 1 - H318 Skin Corr. 1B - H314 Aquatic Chronic 1 - H410 Aquatic Acute 1 - H400	<b>Classification (67/548/EEC or 1999/45/EC)</b> T;R23/24 C;R34 Xn;R22 R43 N;R50/53
<b>DIURON (ISO)</b>	<b>&lt;1%</b>
CAS number: 330-54-1	EC number: 206-354-4
M factor (Acute) = 10	M factor (Chronic) = 10
<b>Classification</b> Acute Tox. 4 - H302 Carc. 2 - H351 STOT RE 2 - H373 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> Carc. Cat. 3;R40 Xn;R22,R48/22 N;R50/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**General information**                      No special treatment required.

**Inhalation**                                      Fresh air and rest.

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<b>Ingestion</b>	Rinse mouth. Give plenty of water to drink. Keep affected person under observation.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water.
<b>Eye contact</b>	Continue to rinse for at least 15 minutes and get medical attention.

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

<b>General information</b>	No special treatment required.
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is non-combustible.
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### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	The product is not flammable.
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### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	No specific firefighting precautions known.
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## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Avoid contact with eyes and prolonged skin contact. Provide adequate ventilation. Wear protective gloves.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Avoid discharge into drains or watercourses or onto the ground.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Absorb spillage with non-combustible, absorbent material. Flush contaminated area with plenty of water. Contain spillage with sand, earth or other suitable non-combustible material.
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### 6.4. Reference to other sections

<b>Reference to other sections</b>	For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Provide adequate ventilation.
<b>Advice on general occupational hygiene</b>	Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

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

<b>Storage precautions</b>	Store at moderate temperatures in dry, well ventilated area.
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### 7.3. Specific end use(s)

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
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## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

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### Occupational exposure limits

#### ETHANEDIOL

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 104 mg/m<sup>3</sup>(Sk)

WEL = Workplace Exposure Limit

**Ingredient comments** No exposure limits known for ingredient(s).

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation.

#### Eye/face protection

Wear chemical splash goggles.

#### Hand protection

Wear protective gloves.

#### Other skin and body protection

Wear chemical protective suit.

#### Hygiene measures

Provide eyewash station. Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

#### Respiratory protection

No specific requirements are anticipated under normal conditions of use.

#### Environmental exposure controls

Store in a demarcated bunded area to prevent release to drains and/or watercourses.

## SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Various colours.
<b>Odour</b>	Odourless.
<b>Odour threshold</b>	Technically not feasible.
<b>pH</b>	8,3 - 8,7
<b>Melting point</b>	Technically not feasible.
<b>Initial boiling point and range</b>	Technically not feasible.
<b>Flash point</b>	Technically not feasible.
<b>Evaporation rate</b>	Technically not feasible.
<b>Evaporation factor</b>	Technically not feasible.
<b>Flammability (solid, gas)</b>	Technically not feasible.
<b>Upper/lower flammability or explosive limits</b>	Technically not feasible.
<b>Other flammability</b>	Technically not feasible.
<b>Vapour pressure</b>	Technically not feasible.

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<b>Vapour density</b>	Technically not feasible.
<b>Relative density</b>	No specific test data are available.
<b>Bulk density</b>	1,56 - 1,60 g/cm <sup>3</sup> , 25°C
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	Technically not feasible.
<b>Auto-ignition temperature</b>	Technically not feasible.
<b>Decomposition Temperature</b>	No specific test data are available.
<b>Viscosity</b>	116- 120 KU /25 °C
<b>Explosive properties</b>	Technically not feasible.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	There are no chemical groups present in the product that are associated with oxidising properties.
<b>Comments</b>	Information given is applicable to the product as supplied.

### 9.2. Other information

<b>Refractive index</b>	Technically not feasible.
<b>Particle size</b>	No specific test data are available.
<b>Molecular weight</b>	Technically not feasible.
<b>Volatility</b>	No specific test data are available.
<b>Saturation concentration</b>	Technically not feasible.
<b>Critical temperature</b>	Technically not feasible.
<b>Volatile organic compound</b>	<40 g/L (Theoretical) , Directive 2004/42/CE Annex II.A-c

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Will not polymerise.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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### 10.6. Hazardous decomposition products

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**Hazardous decomposition products** Does not decompose when used and stored as recommended.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Other health effects** There is no evidence that the product can cause cancer.

#### Acute toxicity - oral

**ATE oral (mg/kg)** 250,000.0

**General information** No specific health hazards known.

**Inhalation** No specific health hazards known.

**Ingestion** Harmful if swallowed.

**Skin contact** No specific health hazards known.

**Eye contact** May cause temporary eye irritation.

**Route of entry** Ingestion.

### SECTION 12: Ecological Information

**Ecotoxicity** Not regarded as dangerous for the environment.

#### 12.1. Toxicity

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is not biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product is not bioaccumulating.

**Partition coefficient** Technically not feasible.

#### 12.4. Mobility in soil

**Mobility** Not considered mobile.

#### 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. Other adverse effects

**Other adverse effects** No information required.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of empty containers in accordance with national regulations. International Disposal Code of product : 080111 International Disposal code of containers : 150110

**Disposal methods** Burning

**Waste class** H-5

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### 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

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

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78  
and the IBC Code**

### SECTION 15: Regulatory information

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

##### **EU legislation**

Dangerous Preparations Directive 1999/45/EC.  
 Dangerous Substances Directive 67/548/EEC.  
 Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)(as amended).  
 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).

**Water hazard classification** N/A

#### 15.2. Chemical safety assessment

### SECTION 16: Other information

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<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>ATE: Acute Toxicity Estimate.</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</p> <p>CAS: Chemical Abstracts Service.</p> <p>DNEL: Derived No Effect Level.</p> <p>GHS: Globally Harmonized System.</p> <p>IATA: International Air Transport Association.</p> <p>ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.</p> <p>LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.</p> <p>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p>
<b>General information</b>	The temperature of the surface should not be lower than 5°C.
<b>Revision comments</b>	This is first issue.
<b>Issued by</b>	Kenan Sabak / Dyo Architectural Paints Research and Development Specialist. Certified Safety Data Sheet Preparer, Certification no: GBF-1796 www.dyo.com.tr kenan.sabak@dyo.com.tr Tel : +90 262 754 75 60
<b>Revision date</b>	28/03/2016
<b>Revision</b>	0.1
<b>Supersedes date</b>	28/03/2016
<b>SDS number</b>	20635
<b>Hazard statements in full</b>	<p>H301 Toxic if swallowed.</p> <p>H302 Harmful if swallowed.</p> <p>H311 Toxic in contact with skin.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H330 Fatal if inhaled.</p> <p>H331 Toxic if inhaled.</p> <p>H351 Suspected of causing cancer.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>EUH208 Contains 2-OCTYL-2H-ISOTHIAZOL-3-ONE, Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.</p>

The information contained in this safety data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) Regulations. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that requirements of relevant legislation are complied with. The information contained in this material safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.