Dolce Dekoratif

Concrete Effect

SAFETY DATA SHEET (SDS) · KKDİK ANNEX-II / CLP

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

1.1 Product identifier

Dolce Dekoratif **Concrete Effect**

1.2 Relevant identified uses and uses advised against

Use: Exposed-concrete look, acrylic emulsion based decorative coating. Professional and industrial use.

Uses advised against: Any use not specified in this section or in Section 7.

1.3 Details of the supplier of the safety data sheet

MDA BOYA VE KİMYA SANAYİ TİCARET LİMİTED ŞİRKETİ
Mehmet Akif Ersoy Mah. Ünvan Sok. No:11-13A Arnavutköy / İstanbul
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1.4 Emergency telephone number

National Poison Information Centre (UZEM), Türkiye: 114 (24/7)

SECTION 2 — HAZARDS IDENTIFICATION

2.1 Classification of the substance/mixture (CLP / SEA)

- Skin Sensitisation (Skin Sens.) 1A — H317 May cause an allergic skin reaction.

2.2 Label elements

Pictogram: GHS07 (exclamation mark) · Signal word: **Warning**

- H317 May cause an allergic skin reaction.

Precautionary statements:

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.

Contains: 2-methylisothiazol-3(2H)-one (MIT), 1,2-benzisothiazol-3(2H)-one (BIT)

2.3 Other hazards

The product does not contain substances with PBT/vPvB or endocrine-disrupting properties at ≥ 0.1 %.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical description: Aqueous mixture (acrylic emulsion) of inorganic and organic compounds. Only hazardous components contributing to the classification and/or exceeding the reporting thresholds are listed below; the full formulation is a trade secret.

Component	CAS / EC / Index	Content	Classification (CLP / SEA)
Ethane-1,2-diol (ethylene glycol)	107-21-1 203-473-3 603-027-00-1	1 – 3 %	Acute Tox. 4, H302
Ammonia, aqueous solution	1336-21-6 215-647-6 007-001-01-2	< 0.1 %	Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Acute 1 H400 (M=1)
1,2-benzisothiazol-3(2H)-one (BIT)	2634-33-5 220-120-9 613-088-00-6	< 0.1 %	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 (M=1), Aquatic Chronic 2 H411
2-methylisothiazol-3(2H)-one (MIT)	2682-20-4 220-239-6 613-326-00-9	0.0015 – 0.05 %	Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 (M=10), Aquatic Chronic 1 H410 (M=1), EUH071

Full text of the H-statements is given in Section 16.

SECTION 4 — FIRST-AID MEASURES

4.1 Description of first-aid measures

Inhalation: Move the person to fresh air; if symptoms persist, seek medical attention.

Skin: Take off contaminated clothing and wash with plenty of soap and water. In case of irritation or an allergic reaction, seek medical attention.

Eyes: Rinse with plenty of water for at least 15 minutes, holding the eyelids open; remove contact lenses. If irritation persists, consult a physician.

Ingestion: Do NOT induce vomiting; rinse the mouth with water and seek medical attention. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No specific information is available on symptoms caused by the product. Sensitised individuals may develop an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

If skin irritation or rash occurs, get medical advice. Treatment is symptomatic.

SECTION 5 — FIREFIGHTING MEASURES

5.1 Extinguishing media

The product is not flammable. Suitable extinguishing media: carbon dioxide (CO_2), foam, dry chemical powder, water spray. Extinguishing media are selected according to the surrounding fire.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition may release carbon oxides (CO, CO_2) and irritating gases; do not breathe combustion products.

5.3 Advice for firefighters

Full protective equipment and self-contained (open-circuit) breathing apparatus (EN 137) must be used. Firefighting water must be prevented from entering drains.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective gloves and eye protection; beware of the slipping hazard from spilled product. See Section 8.

6.2 Environmental precautions

Prevent the product from entering drains, sewers, surface water and groundwater.

6.3 Methods and material for containment and cleaning up

Collect the spilled product with inert absorbent material (sand, earth); clean residues with water. Dispose of the waste in accordance with Section 13.

6.4 Reference to other sections

See Sections 8 and 13.

SECTION 7 — HANDLING AND STORAGE

7.1 Precautions for safe handling

Work in a well-ventilated area; avoid contact with skin and eyes. Do not eat, drink or smoke during use; observe general occupational hygiene rules.

7.2 Conditions for safe storage, including any incompatibilities

Store in the original, tightly closed packaging in a cool (+5 °C – +35 °C), dry place, protected from frost and direct sunlight. Shelf life is 2 years in unopened packaging.

7.3 Specific end use(s)

No specific use recommendation other than the uses stated in Section 1.2.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters (OEL)

Substance	TWA (8 h)	STEL (15 min)	Note
Ethane-1,2-diol (ethylene glycol)	52 mg/m³ (20 ppm)	104 mg/m³ (40 ppm)	SKIN
Ammonia, aqueous solution	14 mg/m³ (20 ppm)	36 mg/m³ (50 ppm)	—

For dust generated by the dried/sanded product, the general dust limit value (total dust ~10 mg/m³) should be taken into account.

8.2 Exposure controls / PPE

Effective ventilation must be provided; engineering controls take priority over PPE. PPE must be CE-marked.

Hands: Protective gloves, EN 374 (nitrile). **Eyes:** Safety goggles against splashes, EN 166. **Body:** Work clothing, EN ISO 13688. **Respiratory:** Filter mask (EN 14387) for spray/dust operations.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state / appearance	Viscous paste
Colour	According to the colour chart
Odour	Characteristic, mild
pH	8 – 9
Density	~1.70 – 1.90 g/cm³ (20 °C)
Viscosity	High (viscous)
Solid content	~75 – 85 %
Flash point	Not applicable (water-based)
Flammability	Non-flammable
Solubility in water	Miscible with water while wet

9.2 Other information

Shows no explosive or oxidising properties.

SECTION 10 — STABILITY AND REACTIVITY

10.1 Reactivity

No particular reaction hazard under normal conditions of use.

10.2 Chemical stability

Stable under the recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

Not foreseen.

10.4 Conditions to avoid

Freezing, excessive heat and direct sunlight.

10.5 Incompatible materials

Strong oxidising agents, strong acids and bases.

10.6 Hazardous decomposition products

None under normal conditions; CO/CO_2 and organic compounds on thermal decomposition.

SECTION 11 — TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

As no experimental data are available for the mixture, health effects have been assessed on the basis of the properties of the components listed in Section 3. ATE (Oral): >2000 mg/kg.

- **Skin/eye irritation:** Does not meet the classification criteria (diluted).
- **Skin sensitisation:** May cause skin sensitisation (H317) — due to the isothiazolinone preservatives contained.
- **Mutagenicity / carcinogenicity / reproductive toxicity / STOT / aspiration:** Does not meet the classification criteria.

Component	Acute toxicity data
Ethane-1,2-diol (ethylene glycol)	LD50 (Oral): >2000 mg/kg (Rat) · LD50 (Dermal): 9530 mg/kg (Rabbit)
Ammonia, aqueous solution	LD50 (Oral): 350 mg/kg (Rat)
1,2-benzisothiazol-3(2H)-one (BIT)	LD50 (Dermal): >2000 mg/kg (Rat) · LD50 (Oral): 490 mg/kg (Rat)
2-methylisothiazol-3(2H)-one (MIT)	LD50 (Dermal): 242 mg/kg (Rat) · LD50 (Oral): 120 mg/kg (Rat) · LC50 (Inhalation): 0.11 mg/l/4h (Rat)

SECTION 12 — ECOLOGICAL INFORMATION

12.1 Toxicity

Component	Aquatic toxicity / degradability / bioaccumulation
Ethane-1,2-diol (ethylene glycol)	LC50 (Fish) 53000 mg/l/96h · EC50 (Daphnia) 51000 mg/l/48h · Readily biodegradable (90%) · BCF 10 · logKow -1.36
Ammonia, aqueous solution	LC50 (Fish) 47 mg/l/96h · EC50 (Daphnia) 20 mg/l/48h
1,2-benzisothiazol-3(2H)-one (BIT)	LC50 (Fish) 2.15 mg/l/96h · EC50 (Daphnia) 2.9 mg/l/48h · EC50 (Algae) 0.11 mg/l/72h · Water solubility 1288 mg/l, readily biodegradable · BCF 6.62 · logKow 0.7
2-methylisothiazol-3(2H)-one (MIT)	LC50 (Fish) 4.77 mg/l/96h · EC50 (Daphnia) 0.934 mg/l/48h · EC50 (Algae) 0.103 mg/l/72h · Water solubility 489000 mg/l · BCF 5.75 · logKow -0.486

12.2 – 12.7 Persistence, bioaccumulation, mobility, PBT/vPvB, endocrine, other

No experimental data are available for the mixture as a whole; component data are given above. The product does not meet the PBT/vPvB criteria. As the preservatives contained may be toxic to aquatic organisms, the product must not be discharged into water sources.

SECTION 13 — DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product residues must be assessed in accordance with the applicable regulations and disposed of through a company authorised for waste management.

Recommended waste code: 08 01 12 (may vary according to the final source). Contaminated packaging must be sent for recovery/disposal in accordance with the regulations.

SECTION 14 — TRANSPORT INFORMATION

The product is **not classified as dangerous goods** under ADR/RID, IMDG and IATA.

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable
14.7 Maritime transport in bulk (MARPOL Annex II / IBC Code)	Not relevant

SECTION 15 — REGULATORY INFORMATION

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

Seveso (Reg. 30702): None. KKDİK Annex-17 restrictions and the REACH SVHC candidate list: the product does not contain SVHC at ≥ 0.1 %. Complies with the Turkish SEA Regulation (28848), KKDİK (30105), the SDS Regulation (29204) and Regulation (EC) No 1272/2008 (CLP).

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for the mixture.

SECTION 16 — OTHER INFORMATION

Full text of the H/EUH statements referred to in Sections 2 and 3:

- EUH071 Corrosive to the respiratory tract.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

Abbreviations:

SEA: Turkish Classification, Labelling and Packaging Regulation · KKDİK: Turkish Regulation on the Registration, Evaluation, Authorisation and Restriction of Chemicals · CLP: Regulation (EC) No 1272/2008 · OEL/TWA/STEL: Occupational exposure limit values · ATE: Acute Toxicity Estimate · LD50/LC50/EC50: Lethal/effective dose or concentration · BCF: Bioconcentration factor · PBT/vPvB: Persistent-Bioaccumulative-Toxic / very Persistent-very Bioaccumulative.

Sources:

KKDİK (OG 30105), SEA (OG 28848) and the SDS Regulation (OG 29204); ECHA data and official safety data sheets of equivalent products were used as the basis.

Classification method:

Health and environmental hazards were assessed according to the calculation method in CLP Annex I; physical hazards according to Annex I Part 2.

Note:

This safety data sheet is the English translation of the Turkish safety data sheet (GBF) of the same product; the technical content is identical.

Date of issue: JANUARY 2026 · Revision: 00