



SAFETY DATA SHEET

996- MASSIVELINE Waterborne Deck Varnish

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 996- MASSIVELINE Waterborne Deck Varnish
Tanım Acrylic emulsion based, water-borne product formulated specially for timber decks.

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

Identified uses Suitable for all kinds of deck surfaces like walking roads, swimming pool and port sides.

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 Elvan Sağlam

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 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.

Precautionary statements P102 Keep out of reach of children.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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ETHANEDIOL	1-5%
CAS number: 107-21-1	EC number: 203-473-3
Classification Acute Tox. 4 - H302	Classification (67/548/EEC or 1999/45/EC) Xn;R22
2-(2-BUTOXYETHOXY)ETHANOL	<0,1%
CAS number: 112-34-5	EC number: 203-961-6
Classification Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xi;R36
3-iodo2-propynyl butyl carbamate	<0,1%
CAS number: 55406-53-6	EC number: 259-627-5
M factor (Acute) = 10	M factor (Chronic) = 1
Classification Acute Tox. 4 - H302 Acute Tox. 3 - H331 Eye Dam. 1 - H318 Skin Sens. 1 - H317 STOT RE 1 - H372 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) Xn;R20/22. Xi;R41. N;R50.
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)	<0,001%
CAS number: 55965-84-9	
M factor (Acute) = 1	M factor (Chronic) = 1
Classification Acute Tox. 3 - H301 Acute Tox. 2 - H310 Acute Tox. 2 - H330 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) T;R23/24/25 C;R34 R43 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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Ingestion	Rinse mouth. Give plenty of water to drink. Keep affected person under observation. Get medical attention immediately.
Skin contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
Eye contact	Continue to rinse for at least 15 minutes and get medical attention.

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

General information Treat symptomatically.

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 non-combustible.

5.2. Special hazards arising from the substance or mixture

Specific hazards The product is not flammable.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with eyes and prolonged skin contact. Provide adequate ventilation. Wear protective gloves.

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 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.

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. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. 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

Storage precautions Store at moderate temperatures in dry, well ventilated area.

7.3. Specific end use(s)

Specific end use(s) 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

Occupational exposure limits

ETHANEDIOL

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 104 mg/m³(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

Appearance	Liquid.
Colour	Various colours.
Odour	Odourless.
Odour threshold	Technically not feasible.
pH	Technically not feasible.
Melting point	Technically not feasible.
Initial boiling point and range	Technically not feasible.
Flash point	Technically not feasible.
Evaporation rate	Technically not feasible.
Evaporation factor	Technically not feasible.
Flammability (solid, gas)	Technically not feasible.
Upper/lower flammability or explosive limits	Technically not feasible.

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Other flammability	Technically not feasible.
Vapour pressure	Technically not feasible.
Vapour density	Technically not feasible.
Relative density	No specific test data are available.
Bulk density	1,00 - 1,04 g/cm ³ , 25°C
Solubility(ies)	Soluble in water.
Partition coefficient	Technically not feasible.
Auto-ignition temperature	Technically not feasible.
Decomposition Temperature	No specific test data are available.
Viscosity	40 - 50 s/D4, 25°C
Explosive properties	Technically not feasible.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	There are no chemical groups present in the product that are associated with oxidising properties.
Comments	Information given is applicable to the product as supplied.

9.2. Other information

Refractive index	Technically not feasible.
Particle size	No specific test data are available.
Molecular weight	Technically not feasible.
Volatility	No specific test data are available.
Saturation concentration	Technically not feasible.
Critical temperature	Technically not feasible.
Volatile organic compound	<130 g/L (Teorik), Directive 2004/42/CE Annex.II.A-e

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Will not polymerise.
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10.4. Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
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10.5. Incompatible materials

Materials to avoid	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

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No information available.

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

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

Toxicity The product is not believed to present a hazard due to its physical nature.

Acute toxicity - fish No test data.

Acute toxicity - aquatic invertebrates No test data.

Acute toxicity - aquatic plants No test data.

Acute toxicity - microorganisms No test data.

Acute toxicity - terrestrial No test data.

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.

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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

SECTION 14: Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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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 Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

EU legislation	Dangerous Substances Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Directive 91/155/EEC : System of specific information relating to Dangerous Preparations Regulation No: 1907/2006 of the European Parliament and the Council of 01.06.2007 (EC) concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
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Water hazard classification N/A

15.2. Chemical safety assessment

SECTION 16: Other information

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General information	The temperature of the surface should not be lower than 5°C.
Revision comments	This is first issue.
Issued by	Elvan Saglam / DY0 Architectural Paints R&D Specialist. Certified Safety Data Sheet Preparer, Certification no: GBF-1801 www.dyo.com.tr elvan.saglam@dyo.com.tr Tel : +90 262 754 75 60
Revision date	22/04/2016
Revision	0.1
Supersedes date	22/04/2016
SDS number	20704
Hazard statements in full	H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H372 Causes damage to organs (Larynx) through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. EUH208 Contains 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.

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.