

**SAFETY DATA SHEET**  
**Hemel Varnish for Exterior**  
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** Hemel Varnish for Exterior  
**Chemical name** Translucent, breather varnish for exterior.

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

**Identified uses** Suitable for all exterior wood except floor. Door and window joinery. Shutters, cladding, fences, pergolas, balcony parapets, roof fringes.

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

**Supplier** Hemel Emprenye Sanayi ve Tic.A.S.  
Adress: I.D.O.S.B. Vakum Cd. No:25 B-1 Ozel Parsel Tuzla/Istanbul/Turkiye  
E-Mail: hakan.milli@hemel.com.tr  
Tel: +90 444 98 48  
Fax: +90 216 394 83 10

**Contact person** Hakan Milli - Deputy General Manager (Production)

**Manufacturer** Hemel Emprenye Sanayi ve Tic.A.S.  
Adress: I.D.O.S.B. Vakum Cd. No:25 B-1 Ozel Parsel Tuzla/Istanbul/Turkiye  
E-Mail: hakan.milli@hemel.com.tr  
Tel: +90 444 98 48  
Fax: +90 216 394 83 10

**1.4. Emergency telephone number**

**Emergency telephone** +90 444 98 48

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification (EC/1272/2008)**

**Physical hazards** Not Classified  
**Health hazards** Skin Sens. 1 - H317  
**Environmental hazards** Aquatic Chronic 3 - H412

**2.2. Label elements****Pictogram**

**Signal word** Warning

**Hazard statements** H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

## Hemel Varnish for Exterior

<b>Precautionary statements</b>	<p>P261 Avoid breathing vapour/ spray.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Contains</b>	<p><math>\alpha</math>-[3-[3-(2H-Benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxo propyl]-<math>\omega</math>-Hydroxypoly(oxo-1,2-ethanediyl), <math>\alpha</math>-[3-[3-(2H-Benzotriazol-2-yl) -5- (1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-<math>\omega</math>- [3-[3-(2H- benzotriazol-2-yl)- 5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy] poly(oxy-1,2-ethanediyl), Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester, 3-iodo-2-propynyl butylcarbamate, tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, reaction mass 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)</p>

### 2.3. Other hazards

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

##### 3.2. Mixtures

<p><math>\alpha</math>-[3-[3-(2H-Benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxo propyl]-<math>\omega</math>-Hydroxypoly(oxo-1,2-ethanediyl)</p> <p>CAS number: 104810-48-2</p>	<b>&lt;1%</b>
<p><b>Classification</b></p> <p>Skin Sens. 1 - H317</p> <p>Aquatic Chronic 2 - H411</p>	
<p><math>\alpha</math>-[3-[3-(2H-Benzotriazol-2-yl) -5- (1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-<math>\omega</math>- [3-[3-(2H- benzotriazol-2-yl)- 5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy] poly(oxy-1,2-ethanediyl)</p> <p>CAS number: 104810-47-1</p>	<b>&lt;1%</b>
<p><b>Classification</b></p> <p>Skin Sens. 1 - H317</p> <p>Aquatic Chronic 2 - H411</p>	
<p><b>Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester</b></p> <p>CAS number: 41556-26-7                      EC number: 255-437-1</p> <p>M factor (Acute) = 1                              M factor (Chronic) = 1</p>	<b>&lt;1%</b>
<p><b>Classification</b></p> <p>Skin Sens. 1 - H317</p> <p>Aquatic Acute 1 - H400</p> <p>Aquatic Chronic 1 - H410</p>	

## Hemel Varnish for Exterior

<b>3-iodo-2-propynyl butylcarbamate</b>	<b>&lt;1%</b>
CAS number: 55406-53-6	EC number: 259-627-5
M factor (Acute) = 10	M factor (Chronic) = 1
<b>Classification</b> 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	
<b>tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione</b>	<b>&lt;1%</b>
CAS number: 5395-50-6	EC number: 226-408-0
<b>Classification</b> Acute Tox. 3 - H331 Skin Sens. 1 - H317	
<b>reaction mass 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)</b>	<b>&lt;1%</b>
CAS number: 55965-84-9	
M factor (Acute) = 1	M factor (Chronic) = 1
<b>Classification</b> Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Skin Sens. 1 - 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

<b>General information</b>	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	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.
<b>Ingestion</b>	Rinse mouth thoroughly with water. If in doubt, get medical attention promptly. Do not induce vomiting unless under the direction of medical personnel.

## Hemel Varnish for Exterior

<b>Skin contact</b>	Remove contaminated clothing and rinse skin thoroughly with water. Wash contaminated clothing before reuse. Get medical attention promptly if symptoms occur after washing. If in doubt, get medical attention promptly.
<b>Eye contact</b>	Rinse with water. Do not rub eye. Continue to rinse for at least 10 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
<b>Skin contact</b>	Redness. Slightly irritating. May cause an allergic skin reaction.
<b>Eye contact</b>	Pain. Itchiness. Redness. May be slightly irritating to eyes.

### 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 not flammable. Use fire-extinguishing media suitable for the surrounding fire. Use foam, carbon dioxide, dry powder or water fog to extinguish.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
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### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	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.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	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. Avoid contact with skin, eyes and clothing. Do not handle broken packages without protective equipment. Wash thoroughly after dealing with a spillage.
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### 6.2. Environmental precautions

## Hemel Varnish for Exterior

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

**Methods for cleaning up** Clear up spills immediately and dispose of waste safely. If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. The contaminated absorbent may pose the same hazard as the spilled material. 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. Leave small quantities to evaporate, if safe to do so.

### 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** Read and follow manufacturer's recommendations. Obtain special instructions before use. Wear protective clothing as described in Section 8 of this safety data sheet. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists.

**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** Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

**Storage class** Chemical storage.

### 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

### 8.2. Exposure controls

#### Protective equipment



**Appropriate engineering controls**

Provide adequate ventilation.

**Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

## Hemel Varnish for Exterior

<b>Hand protection</b>	Wear protective gloves. 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, gloves should comply with European Standard EN374. 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. When used with mixtures, the protection time of gloves cannot be accurately estimated. It is recommended that gloves are made of the following material: Butyl rubber. Nitrile rubber. Polyvinyl chloride (PVC).
<b>Hygiene measures</b>	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn.
<b>Environmental exposure controls</b>	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.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Clear
<b>Odour</b>	Characteristic.
<b>pH</b>	No information available.
<b>Melting point</b>	Freeze Point: 0°C
<b>Initial boiling point and range</b>	No information available.
<b>Flash point</b>	Not applicable.
<b>Relative density</b>	1g/ml @ 20°C
<b>Solubility(ies)</b>	Soluble in water.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Viscosity</b>	45 Sn. (DIN6 20°C)
<b>Explosive properties</b>	Not applicable.

#### 9.2. Other information

<b>Volatile organic compound</b>	This product contains a maximum VOC content of 32 g/l.
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### 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 and when used as recommended. Stable under the prescribed storage conditions.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
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#### 10.4. Conditions to avoid

## Hemel Varnish for Exterior

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

### 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.

### 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

#### Acute toxicity - inhalation

**ATE inhalation (dusts/mists mg/l)** 400.74

#### Skin corrosion/irritation

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

#### Serious eye damage/irritation

**Serious eye damage/irritation** Based on available data the classification criteria are not met.

#### Respiratory sensitisation

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

#### Skin sensitisation

**Skin sensitisation** Sensitising.

#### Germ cell mutagenicity

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

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

#### Carcinogenicity

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

#### 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.

**Inhalation** No adverse effects known.

**Ingestion** May cause stomach pain or vomiting.

**Skin contact** Redness. Irritating.

**Eye contact** Causes serious eye irritation. Redness. Irritation and redness, followed by blurred vision.

## Hemel Varnish for Exterior

### SECTION 12: Ecological Information

**Ecotoxicity** Dangerous for the environment if discharged into watercourses. The product contains a substance which may have hazardous effects on the environment.

#### 12.1. Toxicity

**Toxicity** No information available.

#### 12.2. Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

#### 12.4. Mobility in soil

**Mobility** No information available.

#### 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** Dangerous for the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** The generation of waste should be minimised or avoided 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.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### 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.

#### **UN No. (IATA)**

#### 14.2. UN proper shipping name

Not applicable.

#### **Proper shipping name (IATA)**

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

No transport warning sign required.

#### **IATA class/division**

#### **IATA secondary risk**

#### 14.4. Packing group



## Hemel Varnish for Exterior

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 MARPOL 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

**National regulations** EH40/2005 Workplace exposure limits.  
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"].

### 15.2. Chemical safety assessment

## SECTION 16: Other information

<b>Issued by</b>	CANSU CAKMAK - CERTIFIED PREPARERS OF SDS - CERTIFICATE NO: 01.98.04 - EXPIRES: 06/09/2019
<b>Revision</b>	0.1
<b>Supersedes date</b>	28/12/2016
<b>SDS number</b>	4854
<b>Hazard statements in full</b>	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. H331 Toxic if inhaled. 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. H412 Harmful to aquatic life with long lasting effects. H372 Causes damage to organs through prolonged or repeated exposure if swallowed or if inhaled.