

**SAFETY DATA SHEET**  
**HEMEL Exotic Oil**  
 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 Exotic Oil  
**Chemical name** Pigmented penetrating oil for hardwoods, ThermoWood®, decks and garden furniture

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

**Identified uses** Hardwoods, ThermoWood®, decks and garden furniture

**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)

**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** Flam. Liq. 3 - H226  
**Health hazards** Asp. Tox. 1 - H304  
**Environmental hazards** Aquatic Chronic 3 - H412

**2.2. Label elements**

**Pictogram**



**Signal word**

Danger

**Hazard statements**

H226 Flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H412 Harmful to aquatic life with long lasting effects.  
 EUH208 Contains ethyl methyl ketoxime, 3-iodo-2-propynyl butylcarbamate,  $\alpha$ -[3-[3-(2H-Benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxo propyl]- $\omega$ -Hydroxypoly(oxo-1,2-ethanediyl) ,  $\alpha$ -[3-[3-(2H-Benzotriazol-2-yl) -5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]- $\omega$ - [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-piperidinyl) ester. May produce an allergic reaction.

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<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P331 Do NOT induce vomiting.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p>
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<b>Contains</b>	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics, Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics, Distillates (petroleum), hydrotreated light
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### 2.3. Other hazards

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

##### 3.2. Mixtures

<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics</b>	<b>40-60%</b>
CAS number: 64742-48-9                      EC number: 918-481-9	
<b>Classification</b>	
Asp. Tox. 1 - H304	
<b>Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	<b>5-10%</b>
CAS number: —                                      EC number: 927-632-8	
<b>Classification</b>	
Asp. Tox. 1 - H304	
<b>Distillates (petroleum), hydrotreated light</b>	<b>1-5%</b>
CAS number: 64742-47-8                      EC number: 265-149-8	
<b>Classification</b>	
Asp. Tox. 1 - H304	
<b>ethyl methyl ketoxime</b>	<b>&lt;1%</b>
CAS number: 96-29-7                              EC number: 202-496-6	
<b>Classification</b>	
Acute Tox. 4 - H312	
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	
Carc. 2 - H351	

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<b>3-iodo-2-propynyl butylcarbamate</b> <span style="float: right;"><b>&lt;1%</b></span>
CAS number: 55406-53-6 <span style="margin-left: 150px;">EC number: 259-627-5</span> M factor (Acute) = 10 <span style="margin-left: 150px;">M factor (Chronic) = 1</span>
<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><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)</b> <span style="float: right;"><b>&lt;1%</b></span>
CAS number: 104810-48-2
<b>Classification</b> Skin Sens. 1 - H317 Aquatic Chronic 2 - H411
<b><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)</b> <span style="float: right;"><b>&lt;1%</b></span>
CAS number: 104810-47-1
<b>Classification</b> Skin Sens. 1 - H317 Aquatic Chronic 2 - H411
<b>Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester</b> <span style="float: right;"><b>&lt;1%</b></span>
CAS number: 41556-26-7 <span style="margin-left: 150px;">EC number: 255-437-1</span> M factor (Acute) = 1 <span style="margin-left: 150px;">M factor (Chronic) = 1</span>
<b>Classification</b> 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

##### General information

If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.

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<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.
<b>Skin contact</b>	Rinse with water. Take off immediately all contaminated clothing and wash it 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>	Vapours may cause headache, fatigue, dizziness and nausea. Vapours may cause drowsiness and dizziness.
<b>Ingestion</b>	May cause stomach pain or vomiting. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Aspiration hazard if swallowed. May be harmful if swallowed and enters airways.
<b>Skin contact</b>	Irritating to skin. Redness.
<b>Eye contact</b>	Pain. Itchiness. Redness.

### 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>	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
<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>Specific hazards</b>	Containers can burst violently or explode when heated, due to excessive pressure build-up. Flammable liquid and vapour. Vapours may be ignited by a spark, a hot surface or an ember. Vapours may form explosive mixtures with air. Fire-water run-off in sewers may create fire or explosion hazard.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. Asphyxiating gases. Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). Carbon monoxide (CO).

### 5.3. Advice for firefighters

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<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. Avoid contact with skin, eyes and clothing. No action shall be taken without appropriate training or involving any personal risk. Evacuate area. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage.
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#### 6.2. Environmental precautions

<b>Environmental precautions</b>	Avoid 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.
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#### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Do not allow material to enter confined spaces, due to the risk of explosion. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Inform authorities if large amounts are involved. Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers.
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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. See Section 12 for additional information on ecological 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>	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.
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<b>Advice on general occupational hygiene</b>	Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse.
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#### 7.2. Conditions for safe storage, including any incompatibilities

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**Storage precautions** Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Keep away from oxidising materials, heat and flames. 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** Flammable liquid 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. Use explosion-proof general and local exhaust ventilation. Ensure operatives are trained to minimise exposure.

#### Eye/face protection

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

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. Wear protective gauntlets made of the following material: Polyvinyl chloride (PVC). Butyl rubber.

#### Other skin and body protection

Wear apron or protective clothing in case of contact.

#### Hygiene measures

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

#### 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.

## SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Yellowish.
<b>Odour</b>	Characteristic.
<b>Initial boiling point and range</b>	No information available.
<b>Upper/lower flammability or explosive limits</b>	No information available.

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<b>Relative density</b>	0,85 g/ml @ 20°C
<b>Solubility(ies)</b>	Solvent Based
<b>Viscosity</b>	12 Sn. (DIN4 20°C)

### 9.2. Other information

<b>Volatile organic compound</b>	This product contains a maximum VOC content of 533 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>	The following materials may react with the product: Oxidising agents.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition. Containers can burst violently or explode when heated, due to excessive pressure build-up. Static electricity and formation of sparks must be prevented.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	Oxidising agents. Acids - oxidising.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - inhalation

<b>ATE inhalation (dusts/mists mg/l)</b>	150.0
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#### Skin corrosion/irritation

<b>Skin corrosion/irritation</b>	Severe skin irritation.
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#### Serious eye damage/irritation

<b>Serious eye damage/irritation</b>	Based on available data the classification criteria are not met.
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#### Respiratory sensitisation

<b>Respiratory sensitisation</b>	Based on available data the classification criteria are not met.
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#### Skin sensitisation

<b>Skin sensitisation</b>	Based on available data the classification criteria are not met.
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#### Germ cell mutagenicity

<b>Genotoxicity - in vitro</b>	Based on available data the classification criteria are not met.
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<b>Genotoxicity - in vivo</b>	Based on available data the classification criteria are not met.
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### 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** May cause drowsiness or dizziness.

### Specific target organ toxicity - repeated exposure

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

### Aspiration hazard

**Aspiration hazard** May be fatal if swallowed and enters airways.

### Inhalation

Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: May cause drowsiness or dizziness. Vapours may cause drowsiness and dizziness.

### Ingestion

May cause stomach pain or vomiting.

### Skin contact

Redness. Irritating to skin.

### Eye contact

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

### Route of entry

Ingestion Inhalation Skin and/or eye contact

### Target organs

No specific target organs known.

## 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



## HEMEL Exotic Oil

### 13.1. Waste treatment methods

<b>General information</b>	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.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263
UN No. (ADN)	1263
UN No. (IATA)	

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	PAINT
Proper shipping name (IMDG)	PAINT
Proper shipping name (ICAO)	PAINT
Proper shipping name (IATA)	
Proper shipping name (ADN)	PAINT

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

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
IATA class/division	
IATA secondary risk	
ADN class	3

#### Transport labels



#### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III

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ICAO packing group III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

EmS F-E, S-E

ADR transport category 3

Emergency Action Code •3Y

Hazard Identification Number 30  
(ADR/RID)

Tunnel restriction code (D/E)

### 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

Issued by CANSU CAKMAK - CERTIFIED PREPARERS OF SDS - CERTIFICATE NO: 01.98.04 -  
EXPIRES: 06/09/2019

Revision date 01/02/2017

Revision 1.01

Supersedes date 14/10/2016

SDS number 4826

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### Hazard statements in full

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H331 Toxic if inhaled.

H351 Suspected of causing cancer.

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.

EUH208 Contains ethyl methyl ketoxime, 3-iodo-2-propynyl butylcarbamate,  $\alpha$ -[3-[3-(2H-Benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxo propyl]- $\omega$ -Hydroxypoly(oxo-1,2-ethanediyl) ,  $\alpha$ -[3-[3-(2H-Benzotriazol-2-yl) -5- (1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]- $\omega$ - [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. May produce an allergic reaction.