

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

# Labshop

Chemicals, Restoration and Art Supplies

**78152**

**UV - Stabilizer 292**

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Revised edition: 24.01.2018

Version: 8.0

Printed: 03.04.2019

## 1. Identification of the Substance/Mixture and of the Company/Undertaking

### 1.1. Product Identifier

Product Name: UV - Stabilizer 292

Article No.: 78152

### 1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

Stabilizer

Uses advised against:

### 1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Interlabshop B.V.

Address: Lage Brink 23, 7317 BD Apeldoorn The Netherlands

Tel./Fax.: Tel. +3155-5215016

Internet: www.Labshop.nl

Email: labshop@labshop.nl

Importer: --

1.4. Emergency No. --

Emergency No.: --

## 2. Hazards Identification

### 2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Skin sensitization, hazard category 1

Hazardous to the aquatic environment, acute category 1

Hazardous to the aquatic environment, chronic category 1

M-Factor: acute category 1

H317 May cause an allergic skin reaction.

Cat.: 1

H400 Very toxic to aquatic life.

Cat.: 1

H410 Very toxic to aquatic life with long lasting effects.

Cat.: 1

Possible Environmental Effects:

### 2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Hazard designation:



GHS07-1

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GHS09

### Signal word:

Warning

### Hazard designation:

- |      |   |
|------|---|
| H317 | May cause an allergic skin reaction.                  |
| H400 | Very toxic to aquatic life.                           |
| H410 | Very toxic to aquatic life with long lasting effects. |

### Safety designation:

- |      |   |
|------|---|
| P261 | Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.   |
| P272 | Contaminated work clothing should not be allowed out of the workplace.                        |
| P273 | Avoid release to the environment.   |
| P280 | Wear protective gloves/ clothing/ eye/ face protection.                                       |
| P303 | If on skin (or hair):   |
| P311 | Call a poison center or physician.  |
| P333 | If skin irritation or rash occurs:  |
| P352 | Wash with soap and water.   |
| P362 | Take off contaminated clothing and wash before reuse.   |
| P501 | Dispose of contents/ container according to regional, national and international regulations. |

### Hazardous components for labelling:

#### 2. 3. Other Hazards

### 3. Composition/Information on Ingredients

#### 3. 1. Substance

#### 3. 2. Mixture

##### Chemical Characterization:

*Preparation: based on sterically inhibited amine, light stabilizer.  
REACH Reg. No.: 01-2119491304-40-0000  
Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate  
and methyl-1,2,2,6,6-pentamethyl-4-piperidyl sebacate*

##### Information on Components / Hazardous Ingredients:

##### Additional information:

### 4. First Aid Measures

#### 4. 1. Description of the First Aid Measures

##### General information:

*Remove contaminated clothes immediately.*

##### After inhalation:

*Supply fresh air. Consult physician if symptoms persist.*

##### After skin contact:

*Remove contaminated clothing immediately. Wash off immediately with plenty of water and soap.*

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*After eye contact:*

*Rinse open eyes with plenty of water for at least 15 minutes.*

*After ingestion:*

*Rinse mouth with water and drink plenty of water.*

*Consult a doctor.*

**4. 2. Most important Symptoms and Effects, both Acute and Delayed**

*Symptoms:*

*No further information available.*

*Effects:*

*No further information available.*

**4. 3. Indication of any Immediate Medical Attention and special Treatment needed**

*Treatment:*

*Symptomatic treatment (decontamination, vital functions), no specific antidote known.*

---

**5. Fire-Fighting Measures**

**5. 1. Extinguishing Media**

*Suitable extinguishing media:*

*Foam, extinguishing powder, water spray.*

*Unsuitable extinguishing media:*

*Never apply a strong water jet.*

**5. 2. Special Hazards arising from the Substance or Mixture**

*Special hazards:*

*In case of fire: hazardous vapors may be released. Development of fumes/aerosol.*

**5. 3. Advice for Firefighters**

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

*Contaminated extinguishing water and debris should be disposed of according to local regulations.*

---

**6. Accidental Release Measures**

**6. 1. Personal Precautions, Protective Equipment and Emergency Procedures**

*Personal precautions:*

*Wear protective clothing.*

*Use respiratory protection.*

**6. 2. Environmental Precautions**

*Environmental precautions:*

*Keep spills and cleaning runoff out of municipal sewers and open bodies of water.*

**6. 3. Methods and Material for Containment and Cleaning Up**

*Methods and material:*

*Larger amounts should be pumped into adequate containers.*

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<p>6. 4. Reference to other Sections</p>	<p><i>Small spills:</i>  <i>Contain with absorbent material (sand, diatomaceous earth, universal absorbent, Oil Dri) and dispose accordingly.</i></p> <p><i>Protective clothing, see Section 8.</i>  <i>See Section 13 for information on disposal.</i></p>
<p><b>7. Handling and Storage</b></p> <p>7. 1. Precautions for Safe Handling</p> <p><i>Instructions on safe handling:</i></p> <p><i>Hygienic measures:</i></p> <p>7. 2. Conditions for Safe Storage, including any Incompatibilities</p> <p><i>Storage conditions:</i></p> <p><i>Requirements for storage areas and containers:</i></p> <p><i>Information on fire and explosion protection:</i></p> <p><i>Storage class:</i></p> <p><i>Further Information:</i></p> <p>7. 3. Specific End Use(s)</p> <p><i>Further information:</i></p>	<p><i>No special measures necessary if properly handled.</i></p> <p><i>No further measures, see Section 8.</i></p> <p><i>Store in tightly sealed containers in a cool and well ventilated location.</i></p> <p><i>The packed product is not sensitive to frost or low temperatures.</i></p> <p><i>Take measures to prevent electrostatic discharge.</i></p> <p><i>10; Combustible liquids (TRGS 510, Storage of hazardous materials in transportable containers)</i></p>
<p><b>8. Exposure Controls/Personal Protection</b></p> <p>8. 1. Parameters to be Controlled</p> <p><i>Parameters to be controlled (DE):</i></p> <p><i>Parameters to be controlled:</i></p> <p><i>Derived No-Effect Level (DNEL):</i></p>	<p><i>none known</i></p> <p><i>3,53 mg/m3 (worker, inhalation, long-term exposition - systemic effects)</i>  <i>2.0 mg/m3 (worker, skin contact, long-term exposition - systemic effects)</i>  <i>1.00 mg/m3 (consumer, skin contact, long-term exposition - systemic effects)</i>  <i>0.87 mg/m3 (consumer, inhalation, long-term exposition - systemic effects)</i>  <i>0.50 mg/m3 (consumer, swallowing, long-term exposition -</i></p>

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*systemic effects)*

*Predicted No-Effect Concentration (PNEC):*

*Fresh water: 0.0022 mg/l*

*Seawater: 0,00022 mg/l*

*Sporadic release: 0.009 mg/l*

*Fresh water sediment: 1.05 mg/kg*

*Seawater sediment: 0.11 mg/kg*

*Soil: 0.21 mg/kg*

*Sewage treatment system (STP): 1 mg/l*

*Additional Information:*

## 8.2. Exposure Controls

*Technical protective measures:*

*Provide adequate ventilation.*

*Personal Protection*

*General protective measures:*

*The usual precautionary measures are to be adhered to when handling chemicals.*

*Respiratory protection:*

*Respiratory equipment required in case of insufficient ventilation, filter type A.*

*Hand protection:*

*Chemical protective gloves (EN 374 (Europe), F739 (US)).*

*The manufacturer's directions for use should be observed because of the great diversity of types.*

*Protective glove material:*

*Recommended: Protective index 6, > 480 min. of permeation time accord. EN 374.*

*Nitrile rubber (480 min, 0.4 mm)*

*Eye protection:*

*Safety glasses with protective shields (EN 166).*

*Body protection:*

*Protective clothing, chemical resistant safety shoes.*

*Environmental precautions:*

## 9. Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

*Form:* *liquid*

*Color:* *bright yellow*

*Odor:* *ester-like*

*Odor threshold:*

*No information available.*

*pH-Value:*

*8.4 (1%(m), 20-25°C)*

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Melting temperature:	-57.8°C (1013 hPa)
Boiling temperature:	> 300°C
Flash point:	209.5°C (DIN 51758)
Evaporation rate:	No information available.
Flammability (solid, gas):	380°C (DIN 51794)
Upper explosion limit:	no information available
Lower explosion limit:	no information available
Vapor pressure:	0.0001 Pa (20°C; OECD 104)
Vapor density:	No information available.
Density:	0.99 g/cm <sup>3</sup> (20°C; OECD 109)
Solubility in water:	21.5 - 29.8 mg/l (21°C; OECD 107)
Coefficient of variation (n-Octanol/Water):	2.37-2.77 logKOW (25°C)
Auto-ignition temperature:	Product is not auto-ignitable.
Decomposition temperature:	325°C
Viscosity, dynamic:	400 mPa.s (20°C)
Explosive properties:	Product presents an explosion hazard.
Oxidizing properties:	not oxidizing
Bulk density:	not determined

### 9.2. Further Information

Solubility in solvents:	
Viscosity, kinematic	478 mm <sup>2</sup> /s (20°C)
Burning class:	
Solvent content:	
Solid content:	
Particle size:	
Other information:	Hygroscopy: not hygroscopic Molar mass: 508.78 g/mol Minimum ignition energy: no data available Self-heating ability: This product is not self-heating.

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*Glass transition temperature: -58.8°C*

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### 10. Stability and Reactivity

#### 10.1. Reactivity

*Not corrosive for metals.*

#### 10.2. Chemical Stability

*Stable if used according to specifications.*

#### 10.3. Possibility of Hazardous Reactions

*None if handled and stored according to specifications.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid heat, open fire and other ignition sources.*

*Avoid electrostatic discharge.*

*Thermal decomposition:*

#### 10.5. Incompatible Materials

*Strong acids, strong bases and strong oxidizing agents.*

#### 10.6. Hazardous Decomposition Products

*None if stored and handled according to specifications.*

#### 10.7. Further Information

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### 11. Toxicological Information

#### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*LD50, oral:*

*3230 mg/kg (rat)*

*LD50, dermal:*

*not determined*

*LC50, inhalation:*

*not determined*

*Primary effects*

*Irritant effect on skin:*

*Non irritating (rabbit)*

*Irritant effect on eyes:*

*Non-irritating to eyes (rabbit)*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*Sensitizing (guinea pig; OECD 406).*

*Mutagenicity:*

*Not mutagenic (Ames Test)*

*Reproductive toxicity:*

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*No negative effects known.*

*Carcinogenicity:*

*No cancerogenic effect known.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No specific target organic toxicity expected after a single exposure.*

*Repeated exposure: no toxicological effects.*

*Additional toxicological information:*

*No risk of aspiration.*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Toxic for aquatic organisms. Controlled release of small amounts of product in biological sewage system do not cause disorders of the biodegradability of activated sludge.*

*The information on the toxic effects are based on the nominal concentration. The product is not very soluble in the testing medium.*

*Fish toxicity:*

*LC50: 0.97 mg/l (96h, *Lepomis macrochirus*; OECD 203)*

*LC50: 7.9 mg/l (96h, *Oncorhynchus mykiss*; OECD 203)*

*LC50: 0.9 mg/l (96h, *Danio rerio*; OECD 203)*

*Daphnia toxicity:*

*EC50: 20 mg/l (24h, *Daphnia magna*; OECD 202)*

*Chronic toxicity: NOEC: 1 mg/l (21d, *Daphnia magna*; OECD 211)*

*Bacteria toxicity:*

*EC50: > 100 mg/l (3h, active sludge; OECD 209)*

*Algae toxicity:*

*EC50: 1.68 mg/l (72h, *Desmodesmus subspicatus*; OECD 201)*

### 12.2. Persistency and Degradability

*Reasonably/partially biodegradable.*

*38 % DOC reduction (28d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D)*

### 12.3. Bioaccumulation

*No bioaccumulation expected.*

### 12.4. Mobility

*Does not evaporate from the surface of the water to the atmosphere.*

*Adsorption to solid soil phase is not expected.*

### 12.5. Results of PBT- und vPvP Assessment

*According to Annex VIII to Regulation (EC) No. 1907/2006 (REACH): this product is neither a PBT (persistent/bioaccumulative/toxic) or vPvB (very persistent/very bioaccumulative/very toxic) substance nor does it contain a PBT or*

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*vPvB substance.*

### 12. 6. Other Adverse Effects

*Water hazard class:*

*2 (German Regulation) (Assessment by list): hazardous.*

*Behaviour in sewage systems:*

*Further ecological effects:*

*Avoid subsoil penetration. Prevent product from entering drains.  
Do not contaminate surface water.*

*AOX Value:*

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### 13. Disposal Considerations

#### 13. 1. Waste Treatment Methods

*Product:*

*In accordance with current regulations, product may be taken to a waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.*

*European Waste Code (EWC):*

*070208 - Other still bottoms and reaction residues*

*Uncleaned packaging:*

*Uncontaminated packaging may be recycled.  
Packaging may be disposed of in the same manner as the product.*

*Waste Code No.:*

---

### 14. Transport Information

#### 14. 1. UN Number

*ADR, IMDG, IATA*

*3082*

#### 14. 2. UN Proper Shipping Name

*ADR/RID:*

*UMWELTGEFÄHRDENDER STOFF, FLÜSSIG, N.A.G. (bis-(Tetra-Methyl-4-Piperidyl)sebacat)*

*IMDG/IATA:*

*ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bis-(Tetra-Methyl-4-Piperidyl)sebacate)*

#### 14. 3. Transport Hazard Classes

*ADR Class:*

*9*

*Hazard no.:*

*9*

*Classification code:*

*M6*

*Tunnel restriction code:*

*E*

*IMDG Class (sea):*

*9*

*Hazard no.:*

*9*

*EmS No.:*

*F-A, S-F*

*IATA Class:*

*9*

*Hazard no.:*

*9*

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#### 14. 4. Packaging Group

ADR/RID: III

IMDG: III

IATA: III

#### 14. 5. Environmental Hazards

Labelling according 5.2.1.8 ADR/RID: fish and tree

Labelling according 5.2.1.6.3 IMDG: fish and tree

Labelled with "P" according 2.10 IMDG: yes

#### 14. 6. Special Precautions for User

none known

#### 14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not evaluated

#### 14. 8. Further Information

---

### 15. Regulatory Information

#### 15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

2, hazardous for water (German Regulation, Assessment by list)

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable

Technical instructions on air quality:

5.2.5.: Organic gases

#### 15. 2. Chemical Safety Assessment

A Chemical Safety Assessment has been carried out for this product.

#### 15. 3. Further Information

Regulation (EC) 2037/2000 - Substances that Deplete the Ozone Layer: not regulated / not applicable

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### 16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.