

**BOSTIK PU 456**  
Supersedes Date: 04-Nov-2016

Revision Date 30-Aug-2017  
Version 2

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

**Product Name** BOSTIK PU 456  
**Pure substance/mixture** Mixture

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

**Recommended use** Adhesives.  
**Uses advised against** None known.

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

#### Company Name

Bostik SA  
Immeuble "Le Jade"  
253 Avenue du President Wilson  
93211 La Plaine Saint Denis  
France  
Tel: +33 (0)1 55 99 90 00  
Fax: +33 (0)1 55 99 90 01

**E-mail address** SDS.box-EU@bostik.com

### 1.4. Emergency telephone number

**Emergency Telephone** No information available

## Section 2: HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

### 2.2. Label Elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

#### **Signal Word**

No signal word

#### **Special provisions concerning the labelling of certain mixtures**

EUH210 - Safety data sheet available on request

#### **Additional information**

Please refer also to Safety Data Sheet of Part B

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## 2.3. Other Hazards

### General Hazards

No information available.

### PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixtures

| Chemical Name                              | EC No     | CAS No   | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | REACH Registration Number |
|--|-----------|----------|----------|---|------------------------------------|---------------------------|
| N,N'-Ethylenebis(12-hydroxyoctadecanamide) | 204-613-6 | 123-26-2 | 0.1- <1  | Skin Sens. 1 (H317)<br>Aquatic Chronic 3 (H412)                 |                                    | 01-2119978265-26-XXXX     |

Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL.

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

|   |   |
|---|---|
| <b>General Advice</b>                     | Remove/Take off immediately all contaminated clothing. If medical advice is needed, have product container or label at hand.  |
| <b>Inhalation</b>                         | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.   |
| <b>Skin Contact</b>                       | Wash off immediately with soap and plenty of water. Get medical attention if symptoms occur.  |
| <b>Eye contact</b>                        | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Hold eyelids apart and consult an physician. |
| <b>Ingestion</b>                          | If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. If swallowed, rinse mouth with water (only if the person is conscious).       |
| <b>Self-Protection of the First Aider</b> | First aider: Pay attention to self-protection.  |

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

**Symptoms** None known.

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## 4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors None.

## **Section 5: FIRE-FIGHTING MEASURES**

### 5.1. Extinguishing media

#### **Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Water spray or fog. Alcohol resistant foam.

#### **Unsuitable Extinguishing Media**

Strong water jet

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

Thermal decomposition can lead to release of toxic/corrosive gases and vapours. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Do not allow run-off from fire-fighting to enter drains or water courses.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

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

#### **Personal Precautions**

Use personal protection equipment. Avoid contact with skin, eyes or clothing.

Non-hazardous.

#### **For emergency responders**

Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter into soil/subsoil.

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

#### **Methods for Containment**

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

#### **Methods for cleaning up**

Take up mechanically, placing in appropriate containers for disposal.

### 6.4. Reference to other sections

#### **Reference to other sections**

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION  
Section 13: DISPOSAL CONSIDERATIONS

## **Section 7: HANDLING AND STORAGE**

### 7.1. Precautions for safe handling

#### **Advice on safe handling**

No special precautions are needed in handling this material. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Fire prevention measures. No special measures are necessary.

#### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash it

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before reuse.

## 7.2. Conditions for safe storage, including any incompatibilities

### Storage Conditions

Keep away from food, drink and animal feedingstuffs. None. Recommended storage temperature. 10 - 35 °C.

## 7.3. Specific end use(s)

### OTHER INFORMATION

Recommendation(s). Observe technical data sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available.

### 8.2. Exposure controls

**Engineering Controls** No special technical protective measures are necessary. Please refer also to Safety Data Sheet of Part B.

### Personal Protective Equipment

#### Eye/Face Protection

Wear safety glasses with side shields (or goggles).

#### Hand Protection

Wear suitable gloves. Gloves must conform to standard EN 374. Recommended Use: Nitrile rubber. Viton™. Unsuitable protective clothing. Natural rubber. Disposable gloves. Break through time. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time for the mentioned glove material is in general greater than 480 min.

#### Skin and Body Protection

Wear suitable protective clothing.

#### Respiratory Protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental Exposure Controls** Do not allow uncontrolled discharge of product into the environment.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|                        |                          |
|------------------------|--------------------------|
| <b>Physical State</b>  | Liquid                   |
| <b>Appearance</b>      | Paste                    |
| <b>Colour</b>          | Yellow                   |
| <b>Odour</b>           | No information available |
| <b>Odour Threshold</b> | No information available |

#### Property

#### Values

#### Remarks • Method

|                                       |                          |                            |
|---------------------------------------|--------------------------|----------------------------|
| <b>pH</b>                             | No information available |                            |
| <b>Melting point / freezing point</b> | No information available |                            |
| <b>Boiling Point</b>                  | No information available |                            |
| <b>Flash Point</b>                    | No information available |                            |
| <b>Evaporation Rate</b>               | No information available |                            |
| <b>Flammability (solid, gas)</b>      | No information available | Not applicable for liquids |

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## Flammability Limit in Air

Upper Flammability Limit No information available

Lower Flammability Limit No information available

## Vapour Pressure

No information available

## Vapour Density

No information available

## Relative Density

No information available

## Water Solubility

Insoluble in water

## Solubility in Other Solvents

No information available

## Partition Coefficient

No information available

## Autoignition Temperature

No information available

## Decomposition Temperature

No information available

## Explosive Properties

No information available

## Explosive Limits

Upper No information available

Lower No information available

## Oxidising Properties

No information available

## Kinematic Viscosity

No information available

## Dynamic Viscosity

No information available

## 9.2. Other information

### Softening Point

No information available

### Molecular Weight

No information available

### Solvent content (%)

No information available

### Solid content (%)

No information available

### Density

1.65 g/cm<sup>3</sup>

### Bulk Density

No data available

### VOC content (%)

No data available

### Section 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

None under normal use conditions.

#### 10.2. Chemical stability

Stable under normal conditions.

##### Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

#### 10.3. Possibility of hazardous reactions

##### Possibility of Hazardous Reactions

None known.

#### 10.4. Conditions to avoid

Exposure to air or moisture over prolonged periods.

#### 10.5. Incompatible materials

None known.

#### 10.6. Hazardous decomposition products

None under normal use and recommended storage conditions.

## Section 11: TOXICOLOGY INFORMATION

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## 11.1. Information on toxicological effects

### Information on likely routes of exposure

#### Product Information

No information or data specific to the product on this toxicological (health) effect is available.

|                      |   |
|----------------------|---|
| <b>Inhalation</b>    | Based on available data, the classification criteria are not met. |
| <b>Eye contact</b>   | Based on available data, the classification criteria are not met. |
| <b>Skin Contact</b>  | Based on available data, the classification criteria are not met. |
| <b>Ingestion</b>     | Based on available data, the classification criteria are not met. |
| <b>Sensitisation</b> | No data available.  |

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|  |                                 |
|--|---------------------------------|
| <b>Skin Corrosion/Irritation</b>         | Not applicable.                 |
| <b>Serious eye damage/eye irritation</b> | Not applicable.                 |
| <b>Sensitisation</b>                     | Not applicable.                 |
| <b>Germ Cell Mutagenicity</b>            | Not applicable.                 |
| <b>Carcinogenicity</b>                   | Not applicable.                 |
| <b>Reproductive Toxicity</b>             | No information available.       |
| <b>STOT - Single Exposure</b>            | No information available.       |
| <b>STOT - Repeated Exposure</b>          | No information available.       |
| <b>Target Organ Effects</b>              | Eyes, Respiratory system, Skin. |
| <b>Aspiration hazard</b>                 | Not applicable.                 |

### Numerical measures of toxicity

#### Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document mg/kg  
ATEmix (dermal) 49,519.00 mg/kg

### Component Information

**Toxicity Data** Data obtained on the component(s) include

| Chemical Name  | Oral LD50         | Dermal LD50 | Inhalation LC50 |
|--|-------------------|-------------|-----------------|
| N,N'-Ethylenebis(12-hydroxyoctadecanamide)<br>123-26-2 | >2000 mg/Kg (Rat) | -           | -               |

## **Section 12: ECOLOGICAL INFORMATION**

### 12.1. Toxicity

**Ecotoxicity** Classification is shown in section 2 of this SDS

### Component Information

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Data obtained on the component(s) include

## 12.2. Persistence and degradability

No information available.

## 12.3. Bioaccumulative potential

No information available.

**Partition coefficient** No information available

## 12.4. Mobility in soil

**Mobility in soil** No information available.

## 12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

## 12.6. Other adverse effects

No information available

### **Endocrine Disruptor Information**

This product does not contain any known or suspected endocrine disruptors.

## **Section 13: DISPOSAL CONSIDERATIONS**

### 13.1. Waste treatment methods

**Waste from Residues/Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Handle contaminated packages in the same way as the product itself.

**European Waste Catalogue** 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

## **Section 14: TRANSPORTATION INFORMATION**

### ADR

|                           |                |
|---------------------------|----------------|
| 14.1 UN/ID no             | Not regulated  |
| 14.2 Proper Shipping Name | Not regulated  |
| 14.3 Hazard Class         | Not regulated  |
| 14.4 Packing Group        | Not regulated  |
| 14.5 Environmental Hazard | Not applicable |
| 14.6 Special Provisions   | None           |

### IMDG

|   |                          |
|---|--------------------------|
| 14.1 UN/ID no   | Not regulated            |
| 14.2 Proper Shipping Name   | Not regulated            |
| 14.3 Hazard Class   | Not regulated            |
| 14.4 Packing Group  | Not regulated            |
| 14.5 Marine Pollutant   | Np                       |
| 14.6 Special Provisions   | None                     |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | No information available |

### RID

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|                           |                |
|---------------------------|----------------|
| 14.1 UN/ID no             | Not regulated  |
| 14.2 Proper Shipping Name | Not regulated  |
| 14.3 Hazard Class         | Not regulated  |
| 14.4 Packing Group        | Not regulated  |
| 14.5 Environmental Hazard | Not applicable |
| 14.6 Special Provisions   | None           |

#### ICAO (air)

|                           |                |
|---------------------------|----------------|
| 14.1 UN/ID no             | Not regulated  |
| 14.2 Proper Shipping Name | Not regulated  |
| 14.3 Hazard Class         | Not regulated  |
| 14.4 Packing Group        | Not regulated  |
| 14.5 Environmental Hazard | Not applicable |
| 14.6 Special Provisions   | None           |

#### IATA

|                           |                |
|---------------------------|----------------|
| 14.1 UN/ID no             | Not regulated  |
| 14.2 Proper Shipping Name | Not regulated  |
| 14.3 Hazard Class         | Not regulated  |
| 14.4 Packing Group        | Not regulated  |
| 14.5 Environmental Hazard | Not applicable |
| 14.6 Special Provisions   | None           |

## Section 15: REGULATORY INFORMATION

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

#### European Union

##### Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

##### **EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

##### **EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction**

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

##### **EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

##### **Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

##### **Persistent Organic Pollutants**

Not applicable

#### National Regulations

##### France



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## Germany

**Ordinance on Industrial Safety and Health - Germany - BetrSichV**  
No flammable liquids in accordance with BetrSichV

## Netherlands

**List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)**  
Not Listed

## 15.2. Chemical safety assessment

No information available

## **Section 16: OTHER INFORMATION**

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

H317 - May cause an allergic skin reaction  
H412 - Harmful to aquatic life with long lasting effects

#### **Legend**

SVHC: Substances of Very High Concern for Authorisation:

#### **Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals  
STOT (RE): Specific target organ toxicity - Repeated exposure  
STOT (SE): Specific target organ toxicity - Single exposure  
EWC: European Waste Catalogue

#### **Key literature references and sources for data**

Classification and labeling data calculated from data received from raw material suppliers

**Prepared By** Product Safety & Regulatory Affairs

**Revision Date** 30-Aug-2017

#### Indication of changes

**Revision Note** SDS sections updated: 2, 3, 11.

**Training Advice** When working with hazardous materials, regular training of operators is required by law

**Additional information** No information available

**This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006**

#### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in

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any process, unless specified in the text.

**End of Safety Data Sheet**