

**85H11=A - Pastasil, Component A**

Material number 085H11=A

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**1. Product and company identification****Product identifier**

Trade name: 85H11=A - Pastasil, Component A

**Relevant identified uses of the substance or mixture and uses advised against**General use: Component A for RTV - Silicone for orthopedic procedures.  
Reserved for industrial and professional use.**Details of the supplier of the safety data sheet**Company name: Otto Bock Health Care  
Street/POB-No.: 3820 W. Great Lakes Drive  
Postal Code, city: Salt Lake City, UT 84120  
USAWWW: [www.ottobockus.com](http://www.ottobockus.com)

Telephone: +1 (801) 956-2400

Telefax: +1 (801) 956-2401

Dept. responsible for information:

Quality Department,  
Telephone: +1 (801) 954-2304 (7 AM – 3 PM, Mountain Time),  
Email: [USRegulatory@ottobock.com](mailto:USRegulatory@ottobock.com)Additional information: Corporate headquarters:  
Ottobock SE & Co. KGaA  
Max-Näder-Straße 15  
Duderstadt  
Germany**Emergency phone number****CHEMTREC, Telephone: +1 (800) 424-9300****2. Hazards identification****Emergency overview**Appearance: Form: pasty  
Color: white

Odor: odorless

Classification: This material is classified as not hazardous.

**Regulatory status**

This material is not considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

**Hazards not otherwise classified**

see section 11: Toxicological information

**3. Composition / Information on ingredients**

Chemical characterization: Product on the basis of Polysiloxane, silicic acid, additive.

Additional information: Contains Platinum-complex (Platinum &lt; 0,01 %)

## 4. First aid measures

- In case of inhalation: in case of heating: In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still. Seek medical treatment in case of troubles.
- Following skin contact: Change contaminated clothing.  
Thoroughly wash skin with soap and water.  
In case of skin irritation, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.  
In case of troubles or persistent symptoms, consult an ophthalmologist.
- After swallowing: Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Do not induce vomiting.  
Seek medical treatment in case of troubles.

**Most important symptoms/effects, acute and delayed**

After eye contact: Mild irritant

**Information to physician**

Treat symptomatically.

## 5. Fire fighting measures

- Flash point/flash point range:  
> 392 °F (c.c.)
- Auto-ignition temperature: > 752 °F
- Suitable extinguishing media:  
Water spray jet, Foam, dry chemical powder, carbon dioxide
- Extinguishing media which must not be used for safety reasons:  
Full water jet

**Specific hazards arising from the chemical**

Combustible.  
In case of fire may be liberated: silicon dioxide, carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:  
Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information: Seal off endangered area. Cool endangered containers with water spray and, if possible, remove from danger zone. Use a water fog to control vapors. Do not breathe fumes. Do not allow fire water to penetrate into surface or ground water.

## 6. Accidental release measures

- Personal precautions: Do not breathe vapor. Avoid inhalation and contact with skin and eyes. Wear suitable protective clothing. Ensure adequate ventilation, especially in confined areas.
- Environmental precautions: Do not allow to penetrate into soil, waterbodies or drains.
- Methods for clean-up: Take up mechanically, placing in appropriate containers for disposal.  
Final cleaning: Fouled surfaces must be immediately cleaned with suitable solvents. (solvents: refer to section 9). Thoroughly clean surrounding area.  
Dispose of waste according to applicable legislation.

## 7. Handling and storage

### Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin, eyes, and clothing. Wear appropriate protective equipment. When using do not eat, drink or smoke. Wash hands before breaks and after work.

Precautions against fire and explosion:  
Take standard precautions to prevent fire.

Specific use(s)           Component A for RTV - Silicone for orthopedic procedures.

### Storage

Requirements for storerooms and containers:  
Keep only in the original container. Keep container tightly closed. Keep container dry. Do not drop, drag or bang the container. Store at room temperature.

Hints on joint storage:   Keep away from strong oxidizing agents.

## 8. Exposure controls / personal protection

### Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
7440-06-4	Platinum	USA: ACGIH: TWA	1 mg/m <sup>3</sup>
		USA: NIOSH: TWA	1 mg/m <sup>3</sup>

Additional information:   Platinum embedded in the product

### Engineering controls

Provide good ventilation and/or an exhaust system in the work area.  
See also information in chapter 7, section storage.

### Personal protection equipment (PPE)

Eye/face protection   Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection       Suitable protective clothing.  
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.  
Glove material: polyethylene/polypropylene (0.5 mm)  
Breakthrough time: > 480 min.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection:   Respiratory protection is not necessary if room is well ventilated.  
At processing:  
When vapors form, use respiratory protection. The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product.

General hygiene considerations:  
Avoid contact with skin, eyes, and clothing. Change contaminated clothing. Do not breathe vapor.  
Wash hands before breaks and after work. When using do not eat or drink.  
Have eye wash bottle or eye rinse ready at work place.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance:	Form: pasty Color: white
Odor:	odorless
Odor threshold:	No data available
pH value:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	> 392 °F (c.c.)
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	at 68 °F: ≤ 0.1 hPa
Vapor density:	No data available
Density:	at 77 °F: 1.55 g/cm <sup>3</sup>
Solubility:	soluble in: diethyl ether, aliphatic hydrocarbons, aromatic hydrocarbons (toluene, xylene), chlorinated hydrocarbons
Water solubility:	practically insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	> 752 °F
Thermal decomposition:	> 392 °F
Additional information:	No data available

## 10. Stability and reactivity

Reactivity:	no data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	No dangerous reactions are known.
Conditions to avoid:	Excessive heating, humidity
Incompatible materials:	Reacts with strong oxidizing agents.
Hazardous decomposition products:	In case of fire may be liberated: silicon dioxide, carbon monoxide and carbon dioxide.
Thermal decomposition:	> 392 °F

## 11. Toxicological information

### Toxicological tests

Toxicological effects:

- Acute toxicity (oral): Lack of data.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- Skin corrosion/irritation: Lack of data.
- Serious eye damage/irritation: Lack of data.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Based on available data, the classification criteria are not met. Not known to cause sensitization.
- Germ cell mutagenicity/Genotoxicity: Lack of data.
- Carcinogenicity: Lack of data.
- Reproductive toxicity: Lack of data.
- Effects on or via lactation: Lack of data.
- Specific target organ toxicity (single exposure): Lack of data.
- Specific target organ toxicity (repeated exposure): Lack of data.
- Aspiration hazard: Lack of data.

### Symptoms

After eye contact: Mild irritant

## 12. Ecological information

### Ecotoxicity

Further details: No data available

### Mobility in soil

No data available

### Persistence and degradability

Further details: Product is not biodegradable.  
Siloxanes are removed from water by sedimentation or binding to sewage sludge.

### Additional ecological information

General information: Do not allow to penetrate into soil, waterbodies or drains.

## 13. Disposal considerations

### Product

Recommendation: Incinerate according to applicable local, state and federal regulations.

### Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.  
Non-contaminated packages may be recycled.

**14. Transport information**

**USA: Department of Transportation (DOT)**

Proper shipping name: Not restricted

**Sea transport (IMDG)**

Proper shipping name: Not restricted

Marine pollutant: no

**Air transport (IATA)**

Proper shipping name: Not restricted

**Further information**

No dangerous good in sense of these transport regulations.

**15. Regulatory information**

**National regulations - U.S. Federal Regulations**

Product: All ingredients of this product are listed on the TSCA inventory.

Platinum: NIOSH Recommendations:  
Occupational Health Guideline: 0519\*

**National regulations - Great Britain**

Hazchem-Code: -

**16. Other information**

Hazard rating systems:



NFPA Hazard Rating:  
Health: 0 (Minimal)  
Fire: 1 (Slight)  
Reactivity: 0 (Minimal)

HMIS Version III Rating:  
Health: 0 (Minimal)  
Flammability: 1 (Slight)  
Physical Hazard: 0 (Minimal)  
Personal Protection: B

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
B	

Reason of change: Changes in section 1.3: Corporate headquarters

Date of first version: 6/27/2008

**Department issuing data sheet**

Contact person: see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

**85H11=B - Pastasil, Component B**

Material number 085H11=B

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**1. Product and company identification****Product identifier**

Trade name: 85H11=B - Pastasil, Component B

**Relevant identified uses of the substance or mixture and uses advised against**General use: Component B for RTV - Silicone for orthopedic procedures.  
Reserved for industrial and professional use.**Details of the supplier of the safety data sheet**Company name: Otto Bock Health Care  
Street/POB-No.: 3820 W. Great Lakes Drive  
Postal Code, city: Salt Lake City, UT 84120  
USA

WWW: www.ottobockus.com

Telephone: +1 (801) 956-2400

Telefax: +1 (801) 956-2401

Dept. responsible for information:

Quality Department,  
Telephone: +1 (801) 954-2304 (7 AM – 3 PM, Mountain Time),  
Email: USRegulatory@ottobock.comAdditional information: Corporate headquarters:  
Ottobock SE & Co. KGaA  
Max-Näder-Straße 15  
Duderstadt  
Germany**Emergency phone number****CHEMTREC, Telephone: +1 (800) 424-9300****2. Hazards identification****Emergency overview**Appearance: Form: pasty  
Color: pink up to red  
Odor: odorless  
Classification: This material is classified as not hazardous.**Regulatory status**

This material is not considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

**Hazards not otherwise classified**

see section 11: Toxicological information

**3. Composition / Information on ingredients**

Chemical characterization: Product on the basis of Polysiloxane and fillers (inorganic).

Additional information: Contains silicon-hydrogen bonds

## 4. First aid measures

- In case of inhalation: in case of heating: In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still. Seek medical treatment in case of troubles.
- Following skin contact: Change contaminated clothing.  
Thoroughly wash skin with soap and water.  
In case of skin irritation, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.  
In case of troubles or persistent symptoms, consult an ophthalmologist.
- After swallowing: Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water.  
Seek medical treatment in case of troubles.

**Most important symptoms/effects, acute and delayed**

After eye contact: Mild irritant

**Information to physician**

Treat symptomatically.

## 5. Fire fighting measures

- Flash point/flash point range:  
> 392 °F (c.c.)
- Auto-ignition temperature: > 752 °F
- Suitable extinguishing media:  
Water spray jet, foam, dry chemical powder, carbon dioxide
- Extinguishing media which must not be used for safety reasons:  
Full water jet
- Specific hazards arising from the chemical**
- Combustible.  
In case of fire may be liberated: highly inflammable gases (hydrogen: Danger of explosion!), silicon dioxide, carbon monoxide and carbon dioxide.
- Protective equipment and precautions for firefighters:  
Wear a self-contained breathing apparatus and chemical protective clothing.
- Additional information: Seal off endangered area. Cool endangered containers with water spray and, if possible, remove from danger zone. Use a water fog to control vapors. Do not breathe fumes. Do not allow fire water to penetrate into surface or ground water.

## 6. Accidental release measures

- Personal precautions: Do not breathe vapor. Avoid inhalation and contact with skin and eyes. Wear suitable protective clothing. Ensure adequate ventilation, especially in confined areas.
- Environmental precautions: Do not allow to penetrate into soil, waterbodies or drains.
- Methods for clean-up: Take up mechanically, placing in appropriate containers for disposal.  
Final cleaning: Fouled surfaces must be immediately cleaned with suitable solvents. (solvents: refer to section 9, not: bases)  
Thoroughly clean surrounding area.  
Dispose of waste according to applicable legislation.



**85H11=B - Pastasil, Component B**

Material number 085H11=B

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pH value:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	> 392 °F (c.c.)
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	at 68 °F: ≤ 0.1 hPa
Vapor density:	No data available
Density:	at 77 °F: 1.55 g/cm <sup>3</sup>
Solubility:	soluble in: diethyl ether, aliphatic hydrocarbons, aromatic hydrocarbons (toluene, xylene), chlorinated hydrocarbons
Water solubility:	practically insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	> 752 °F
Thermal decomposition:	> 392 °F
Additional information:	No data available

**10. Stability and reactivity**

Reactivity:	no data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	No dangerous reactions are known.
Conditions to avoid:	Excessive heating, humidity
Incompatible materials:	No data available
Hazardous decomposition products:	In case of fire may be liberated: highly inflammable gases (hydrogen: Danger of explosion!), silicon dioxide, carbon monoxide and carbon dioxide. decomposition products: hydrogen
Thermal decomposition:	> 392 °F

**85H11=B - Pastasil, Component B**

Material number 085H11=B

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**11. Toxicological information****Toxicological tests**

Toxicological effects:

- Acute toxicity (oral): Lack of data.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- Skin corrosion/irritation: Lack of data.
- Serious eye damage/irritation: Lack of data.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Based on available data, the classification criteria are not met. Not known to cause sensitization.
- Germ cell mutagenicity/Genotoxicity: Lack of data.
- Carcinogenicity: Lack of data.
- Reproductive toxicity: Lack of data.
- Effects on or via lactation: Lack of data.
- Specific target organ toxicity (single exposure): Lack of data.
- Specific target organ toxicity (repeated exposure): Lack of data.
- Aspiration hazard: Lack of data.

**Symptoms**

After eye contact: Mild irritant

**12. Ecological information****Ecotoxicity**

Further details: No data available

**Mobility in soil**

No data available

**Persistence and degradability**

Further details: Product is not biodegradable.  
Siloxanes are removed from water by sedimentation or binding to sewage sludge.

**Additional ecological information**

General information: Do not allow to penetrate into soil, waterbodies or drains.

**13. Disposal considerations****Product**

Recommendation: Incinerate according to applicable local, state and federal regulations.

**Contaminated packaging**

Recommendation: Dispose of waste according to applicable legislation.  
Non-contaminated packages may be recycled.

**14. Transport information**

**USA: Department of Transportation (DOT)**

Proper shipping name: Not restricted

**Sea transport (IMDG)**

Proper shipping name: Not restricted

Marine pollutant: no

**Air transport (IATA)**

Proper shipping name: Not restricted

**Further information**

No dangerous good in sense of these transport regulations.

**15. Regulatory information**

**National regulations - U.S. Federal Regulations**

All ingredients of this product are listed on the TSCA inventory.

**National regulations - Great Britain**

Hazchem-Code: -

**16. Other information**

Hazard rating systems:



NFPA Hazard Rating:

Health: 0 (Minimal)  
 Fire: 1 (Slight)  
 Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 0 (Minimal)  
 Flammability: 1 (Slight)  
 Physical Hazard: 0 (Minimal)  
 Personal Protection: B

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
B	

Reason of change: Changes in section 1.3: Corporate headquarters

Date of first version: 6/27/2008

**Department issuing data sheet**

Contact person: see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.