

## SL=P070-B - Urethane Bonding Kit Part B

Material number SL=P070-B

Page: 1 of 10

### 1 Identification

#### Product identifier

Trade name: SL=P070-B - Urethane Bonding Kit Part B

#### Recommended use and restrictions on use

General use: Adhesive, Component B, for orthopedic procedures.  
For use in industrial installations and professional treatment only.

#### Initial supplier identifier

Company name: Otto Bock HealthCare Canada Ltd.  
Street/POB-No.: 5470 Harvester Road  
Postal code, city: Burlington, ON L7L 5N5, CA  
Canada  
WWW: www.ottobock.ca  
Email: info.canada@ottobock.com  
Telephone: (800) 665-3327  
Telefax: (800) 463-3659  
Department responsible for information:  
Mark Agro, Telephone: (800) 665-3327 (9 am - 5 pm)  
Additional information: Corporate headquarters:  
Ottobock SE & Co. KGaA  
Max-Näder-Straße 15  
Duderstadt  
Germany

#### Emergency telephone number

**COLLECT, Telephone: (613) 996-6666**  
**Transport:**  
**CONSULTANK Lutz Harder GmbH (Contract QUALI003)**  
**Telephone: +49 (0)178-4337434 (from USA: 01149 178 4337434)**

### 2 Hazard identification

#### Classification

Acute Toxicity 4 (oral)	Harmful if swallowed.
Eye Irritation 2A	Causes serious eye irritation.
Sensitization - skin 1	May cause an allergic skin reaction.
Specific Target Organ Toxicity (Repeated Exposure) 2	May cause damage to organs through prolonged or repeated exposure.
Aquatic toxicity - chronic 2	Toxic to aquatic life with long lasting effects.

**SL=P070-B - Urethane Bonding Kit  
Part B**

Material number SL=P070-B

Page: 2 of 10

**Information elements**

Symbols:



Signal word:

**Warning**

Hazard statements:

Harmful if swallowed.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life with long lasting effects.

Precautionary statements:

Do not breathe mist/vapours/spray.  
Wash hands and face thoroughly after handling.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection.  
  
IF SWALLOWED: Call a POISON CENTER/doctor/.../ if you feel unwell.  
Get medical advice/attention if you feel unwell.  
Take off contaminated clothing and wash it before reuse.  
Collect spillage.

**Other hazards known to the supplier with respect to the product**

Special danger of slipping by leaking/spilling product.  
Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure.

**3 Composition/Information on ingredients**

**Mixture**

Chemical name:

Polyol/Aromatic diamine blend

## SL=P070-B - Urethane Bonding Kit Part B

Material number SL=P070-B

Page: 3 of 10

Hazardous ingredients:

CAS No.	Designation	Content	Classification
CAS 25322-69-4	Polypropylene glycol	72 - 73 %	Acute Toxicity 4 (oral).
CAS 68479-98-1	Diethylmethylbenzenediamine	17 - 18 %	Acute Toxicity 4 (oral). Acute Toxicity 4 (dermal). Eye Irritation 2A. Specific Target Organ Toxicity (Repeated Exposure) 2. Aquatic toxicity - acute 1. Aquatic toxicity - chronic 1.
CAS 3147-75-9	2-(2H-Benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	2 - 3 %	not classified
CAS 41556-26-7	Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	1 - 2 %	Sensitization - skin 1. Aquatic toxicity - acute 1. Aquatic toxicity - chronic 1.
CAS 82919-37-7	Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	1 - 2 %	Sensitization - skin 1. Aquatic toxicity - acute 1. Aquatic toxicity - chronic 1.

The actual concentration or concentration range is withheld as a trade secret.

## 4 First-aid measures

### Description of necessary first-aid measures

General information:	If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.
In case of inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.
In case of swallowing:	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Do not give milk or alcoholic beverages. Seek medical attention.
In case of skin contact:	Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.
In case of eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist.

### Most important symptoms and effects, whether acute or delayed

May cause damage to organs through prolonged or repeated exposure. Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye irritation.

### Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

## SL=P070-B - Urethane Bonding Kit Part B

Material number SL=P070-B

Page: 4 of 10

### 5 Fire-fighting measures

#### Suitable and unsuitable extinguishing media

Suitable extinguishing media:

Extinguishing is to be in accordance with the surrounding fire.

Unsuitable extinguishing media:

Full water jet

#### Specific hazards arising from the product

Combustible. Fires in the immediate vicinity may cause the development of dangerous vapours.

In case of fire may be liberated: Carbon dioxide, carbon monoxide, nitrogen oxides (NOx).

#### Special protective equipment and precautions for fire-fighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Use fine water spray to cool endangered containers.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Do not allow water used to extinguish fire to enter drains, ground or waterways.

Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

### 6 Accidental release measures

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

Do not breathe mist/vapours/spray. Avoid contact with the substance.

If possible, eliminate leakage. Provide adequate ventilation.

Wear appropriate protective equipment. Keep unprotected people away.

Take off contaminated clothing and wash it before reuse.

Environmental precautions:

Do not allow to enter into ground-water, surface water or drains.

If necessary, notify appropriate authorities.

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

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder.

Store in special closed containers and dispose of according to ordinance.

Collect in closed containers for disposal.

Additional information:

Special danger of slipping by leaking/spilling product.

### 7 Handling and storage

#### Precautions for safe handling

Advices on safe handling:

Provide adequate ventilation, and local exhaust as needed. Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.

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

Have eye wash bottle or eye rinse ready at work place.

### Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.  
Keep container dry. Keep only in the original container.  
Protect from heat and direct sunlight.  
Store containers in upright position.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

## 8 Exposure controls/Personal protection

### Control parameters

### Appropriate engineering controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.

### Individual protection measures, such as personal protective equipment

Respiratory protection: When vapours form: Use filter type A (= against vapours of organic substances) according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.

Hand protection: Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

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

Body protection: Wear suitable protective clothing.

General hygiene considerations:

Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing.  
Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.  
Have eye wash bottle or eye rinse ready at work place.

### Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

## 9 Physical and chemical properties

### Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	liquid
Colour:	brown
Odour:	No data available
Odour threshold:	No data available
Melting point and freezing point:	No data available
Boiling point or initial boiling point and boiling range:	No data available
Flammability:	No data available

## SL=P070-B - Urethane Bonding Kit Part B

Material number SL=P070-B

Page: 6 of 10

Lower and upper explosion limit or lower and upper flammability limit:

No data available

Flash point/flash point range:

> 94 °C

Evaporation rate:

No data available

Auto-ignition temperature:

No data available

Decomposition temperature:

No data available

pH:

No data available

Kinematic viscosity:

at 40 °C: > 21 mm<sup>2</sup>/s

Solubility:

No data available

Partition coefficient — n-octanol/water:

No data available

Vapour pressure:

No data available

Density and/or relative density

at 25 °C: 1.0209 g/mL

Vapour density:

No data available

Particle characteristics:

Not applicable

### Additional information

## 10 Stability and reactivity

Reactivity:

Refer to subsection "Possibility of hazardous reactions".

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

No hazardous reaction when handled and stored according to provisions.

Conditions to avoid:

Protect from heat and direct sunlight.  
Protect from moisture contamination.

Incompatible materials:

No data available

Hazardous decomposition products:

Ammonia

## SL=P070-B - Urethane Bonding Kit Part B

Material number SL=P070-B

Page: 7 of 10

### 11 Toxicological information

#### Information on the likely routes of exposure

No data available

#### Health hazard information

Acute toxicity (oral): Acute Toxicity 4 (oral) = Harmful if swallowed.

ATEmix (calculated): 554.37 mg/kg

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

ATEmix (calculated): > 5,000 mg/kg

Acute toxicity (inhalative): Lack of data.

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

May cause irritation

Serious eye damage/irritation: Eye Irritation 2A = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Sensitization - skin 1 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: Lack of data.

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

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): Specific Target Organ Toxicity (Repeated Exposure) 2 = May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: Lack of data.

#### Symptoms

After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

### 12 Ecological information

#### Ecotoxicity

Aquatic toxicity: Toxic to aquatic life with long lasting effects.

#### Persistence and degradability

Further details: No data available

#### Bioaccumulative potential

Partition coefficient — n-octanol/water:

No data available

#### Mobility in soil

No data available

### Other adverse effects

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

## 13 Disposal considerations

### Waste treatment methods

#### Product

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

#### Package

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself.  
Non-contaminated packages may be recycled.

## 14 Transport information

### UN number

TDG: UN3082  
IMDG, IATA-DGR: UN 3082

### UN proper shipping name

TDG, IMDG, IATA-DGR: UN 3082,  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
Diethylmethylbenzenediamine

### Transport hazard class

TDG: 9  
IMDG: Class 9, Subrisk -  
IATA-DGR: Class 9

### Packing group

TDG, IMDG, IATA-DGR: III

### Environmental hazards

Marine pollutant: yes



### Special precautions in connection with transport or conveyance either within or outside the premises

#### Canada: Transportation of Dangerous Goods (TDG)

Special Provisions: 16, 99  
Explosive limit and limited quantity index: 5 L  
Marine pollutant: P

## SL=P070-B - Urethane Bonding Kit Part B

Material number SL=P070-B

Page: 9 of 10

### Sea transport (IMDG)

EmS: F-A, S-F  
Special Provisions: 274 335 375 969  
Limited quantities: 5 L  
Excepted quantities: E1  
Package - Instructions: P001, LP01  
Package - Provisions: PP1  
IBC - Instructions: IBC03  
IBC - Provisions: -  
Tank instructions - IMO: -  
Tank instructions - UN: T4  
Tank instructions - Provisions: TP1, TP29  
Stowage and handling: Category A.  
Properties and observations: -  
Marine pollutant: yes  
Segregation group: none

### Air transport (IATA)

Proper shipping name: UN 3082,  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
Diethylmethylbenzenediamine  
Hazard label: Miscellaneous & Environmentally hazardous  
Excepted Quantity Code: E1  
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y964 - Max. Net Qty/Pkg. 30 kg G  
Passenger and Cargo Aircraft: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L  
Cargo Aircraft only: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L  
Special Provisions: A97 A158 A197 A215  
Emergency Response Guide-Code (ERG): 9L

## 15 Regulatory information

### National regulations - Canada

Product: DSL: Components of this product have been reported to Environment Canada in accordance with subsection 25 of the Canadian Environmental Protection Act and are included on the Domestic Substances List. All ingredients are listed or exempt from listing.

Polypropylene glycol: DSL: listed

Diethylmethylbenzenediamine: DSL: listed

2-(2H-Benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol: DSL: listed

Glycerol-Propylene oxide-polymer: DSL: listed

Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate: DSL: listed

Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate: DSL: listed

### Further regulations, limitations and legal requirements

No data available

## 16 Other information

Text for labelling:	Contains Polypropylene glycol Diethylmethylbenzenediamine Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate.
Revision date:	17/12/2025
Date of first version:	3/11/2001
Reason of change:	General revision: Safety Data Sheet according to Hazardous Products Regulations (HPR) 2022
Abbreviations and acronyms:	<p>Acute Toxicity: Acute toxicity            Aquatic toxicity - acute: Hazardous to the aquatic environment - acute            Aquatic toxicity - chronic: Hazardous to the aquatic environment - chronic            AS/NZS: Australian Standards/New Zealand Standards            ATEmix: Acute Toxicity Estimate of mixture            CAS: Chemical Abstracts Service            CFR: Code of Federal Regulations            CLP: Classification, Labelling and Packaging            DMEL: Derived minimal effect level            DNEL: Derived no-effect level            DSL: Domestic Substances List            EC: European Community            EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods            EN: European Standard            EQ: Excepted quantities            Eye Irritation: Eye irritation            IATA: International Air Transport Association            IATA-DGR: International Air Transport Association – Dangerous Goods Regulations            IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk            IMDG Code: International Maritime Dangerous Goods Code            IMO: International Maritime Organization            MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships            MFSU: Manufacture, formulation, supply and use            OSHA: Occupational Safety and Health Administration            PBT: Persistent, bioaccumulative and toxic            PNEC: Predicted no-effect concentration            REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals            Sensitization - skin: Skin sensitisation            STOT RE: Specific target organ toxicity - repeated exposure            SVHC: Substance of very high concern            TDG: Transportation of Dangerous Goods Regulation in Canada            TRGS: Technical Rules for Hazardous Substances            UN: United Nations            vPvB: Very persistent and very bioaccumulative</p>

### Department issuing data sheet

Contact person: see section 1: Department 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.