

**1. Product and company identification**

**Product identifier**

Trade name: 636K49=B - SuperGlue Part B

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

General use: Two-component glue  
Component B

**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.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: Physical state at 68 °F and 101.3 kPa: liquid  
Form: paste, thixotropic  
Color: varying, depends on colouring: white, black, gray

Odor: mild

Classification: Organic Peroxide - Category E; Eye Irritation - Category 2A; Sensitization - skin - Category 1;

Hazard symbols:



Signal word:

**Warning**

Hazard statements: Heating may cause a fire.  
May cause an allergic skin reaction.  
Causes serious eye irritation.

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Precautionary statements:

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep only in original container.
- Keep cool.
- Ground/bond container and receiving equipment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Store in a well-ventilated place.
- Store at temperatures not exceeding ... °C/... °F.
- Store at temperatures not exceeding 15 °C/20 °F. Keep cool.
- Dispose of contents/container to hazardous or special waste collection point.

**Regulatory status**

This material is 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: dibenzoyl peroxide and plasticizer

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 94-36-0	Dibenzoyl peroxide	< 14 %	Organic Peroxide - Category B. Eye Irritation - Category 2A. Sensitization - skin - Category 1.
CAS 25068-38-6	Bisphenol A epoxy resin (molecular-weight < 700)	< 2.5 %	Skin Irritation - Category 2. Eye Irritation - Category 2A. Sensitization - skin - Category 1. Aquatic toxicity - chronic - Category 2.

**4. First aid measures**

- General information: Take off immediately all contaminated clothing. Call a POISON CENTER/doctor if you feel unwell.
- In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. If breathing becomes irregular or ceases, apply rescue breathing or artificial respiration immediately, where required supply oxygen. Seek medical attention.
- Following skin contact: Take off immediately all contaminated clothing. After contact with skin, wash immediately with soap and plenty of water. In case of skin reactions, consult a physician.
- After 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.
- After swallowing: Do not induce vomiting. Drink large quantities of water. Never give anything by mouth to an unconscious person. Immediately get medical attention.

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

In case of inhalation: irritation to respiratory tract, Mucous membrane irritation

In case of ingestion: Nausea, vomiting, Diarrhea

After contact with skin: skin rash

After eye contact: Causes serious eye irritation.

**Information to physician**

Treat symptomatically.

**5. Fire fighting measures**

Flash point/flash point range:

183.2 °F (BPO)

Auto-ignition temperature: No data available

Suitable extinguishing media:

Foam, dry chemical powder, carbon dioxide, water mist

Extinguishing media which must not be used for safety reasons:

Full water jet

**Specific hazards arising from the chemical**

Heating may cause a fire. In case of fire may be liberated: Smoke, hydrocarbons, Nitrogen oxides (NOx), Hydrogen chloride, carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information:

Heating will lead to pressure increase: Danger of bursting and explosion. Cool exposed containers with water spray.

Move undamaged containers from immediate hazard area if it can be done safely.

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

Do not allow fire water to penetrate into surface or ground water.

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:

Do not breathe vapors. Avoid contact with the substance.  
Eliminate all ignition sources if safe to do so. Provide adequate ventilation.  
Wear appropriate protective equipment. Keep unprotected people away.  
Cordon off downwind area at risk and warn inhabitants.

Environmental precautions:

Do not allow to enter into ground-water, surface water or drains. Danger of explosion!  
In case of release, notify competent authorities.

Methods for clean-up:

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

Beware of reignition. Thoroughly clean surrounding area.

In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).

Additional information:

Use explosion-proof equipment and non-sparking tools/utensils.

## 7. Handling and storage

### Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe vapors. Avoid contact with skin and eyes. Wear appropriate protective equipment. Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.  
 Take precautionary measures against static discharges.  
 Use only explosion-protected equipment/instruments. Do not weld.  
 In partially filled containers explosive mixtures may form.

### Storage

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. Explosion protection required. Recommended storage temperature: 15 - 20 °C

Hints on joint storage:

Do not store together with combustible or self-igniting materials or any highly flammable solids. Keep away from food, drink and animal feedingstuffs.  
 Do not store together with: alkalis, Acids, halogens, strong oxidizing agents, strong reducing agents, Isocyanates, Ammonia, metallic compounds, CKW

## 8. Exposure controls / personal protection

### Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
94-36-0	Dibenzoyl peroxide	USA: ACGIH: TWA	5 mg/m <sup>3</sup>
		USA: NIOSH: TWA	5 mg/m <sup>3</sup>
		USA: OSHA: TWA	5 mg/m <sup>3</sup>

### Engineering controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment. Explosion protection required.  
 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: When handling larger quantities: face protection, rubber boots and rubber apron. Protective gloves according to OSHA Standard - 29 CFR: 1910.138. Glove material: butyl caoutchouc (butyl rubber)-Layer thickness 0,5 mm. Breakthrough time > 480 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Respiratory protection: The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, closed-circuit breathing apparatus must be used!

General hygiene considerations:

Use only non-sparking tools. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Do not breathe vapor or spray. Avoid contact with skin and eyes.

Take off immediately all contaminated clothing.

When using do not eat, drink or smoke.

Wash hands before breaks and after work.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance:	Physical state at 68 °F and 101.3 kPa: liquid Form: paste, thixotropic Color: varying, depends on colouring: white, black, gray
Odor:	mild
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:	183.2 °F (BPO)
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	at 73.4 °F: 1.13 g/mL
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	230 °F("Hacotech A305 Komponente B, 21.09.2015 PL")
Additional information:	No data available

## 10. Stability and reactivity

Reactivity:	Heating may cause a fire.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	None known
Conditions to avoid:	Keep away from heat sources, sparks and open flames. Protect from: UV-radiation/sunlight
Incompatible materials:	Do not store together with: alkalis, Acids, halogens, strong oxidizing agents, Isocyanates, Ammonia

Hazardous decomposition products:

In case of fire may be liberated: Smoke, hydrocarbons, Nitrogen oxides (NOx), Hydrogen chloride, carbon monoxide and carbon dioxide.

Thermal decomposition: 230 °F("Hacotech A305 Komponente B, 21.09.2015 PL")

## 11. Toxicological information

### Toxicological tests

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

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: Eye Irritation - Category 2A = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

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

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.

Other information: Following information applies to the component dibenzoyl peroxide:

LD50 Rat, oral: 7710 mg/kg

LD50 Rabbit, dermal: >35000 mg/kg

Following information applies to the component Reaction product:

Bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <=700):

LD50 Rat, oral: 11400 mg/kg

LD50 Rabbit, dermal: 500 mg/kg

### Symptoms

In case of inhalation: irritation to respiratory tract, Mucous membrane irritation

In case of ingestion: Nausea, vomiting, Diarrhea

After contact with skin: skin rash

After eye contact: Causes serious eye irritation.

**General remarks**

For carcinogenic effects:  
 Information about Dibenzoyl peroxide CAS No. 94-36-0  
 TSCA Inventory: listed  
 TSCA  
 HPVC: not listed  
 Carcinogen Status:  
  
 IARC Rating: Group 3  
 OSHA Carcinogen: not listed  
 NTP Rating: not listed  
 Other Environmental Laws.

**12. Ecological information**

**Ecotoxicity**

Further details: No data available

**Mobility in soil**

No data available

**Persistence and degradability**

Further details: No data available

**Additional ecological information**

Volatile organic compounds (VOC):

0 % by weight = 0 g/L

General information:

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

**13. Disposal considerations**

**Product**

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

**Contaminated packaging**

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**

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

Proper shipping name: Not restricted

**Sea transport (IMDG)**

Proper shipping name: Not restricted

Marine pollutant: no

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**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**

Dibenzoyl peroxide:	TSCA Inventory: listed TSCA HPVC: not listed Carcinogen Status: IARC Rating: Group 3 OSHA Carcinogen: not listed NTP Rating: not listed Other Environmental Laws: SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard NIOSH Recommendations: Occupational Health Guideline: 0052 OSHA Process Safety Management: Threshold 7500 lbs.
Bisphenol A epoxy resin (molecular-weight < 700):	TSCA Inventory: listed; EPA flags XU TSCA HPVC: not listed

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

Dibenzoyl peroxide: California Proposition 65 code: -  
 Delaware Air Quality Management List:  
     DRQ: 100 - RQ State requirement differs from Federal  
 Idaho Air Pollutant List:  
     Title 585: AAC: 0,25 - EL: 0,333 - OEL: 5 - Title 586: -  
 Massachusetts Haz. Substance codes: 2,4,5 F9  
 Minnesota Haz. Substance:  
     Codes: ANO - Ratings: - - Status: Title III. TRI.  
 New Jersey Extraordinary Hazardous Substances:  
     EPA Threshold: - NJ Threshold: 2500  
     NJ Group: I - NJ Table: I Part D - NJ Basis: NFPA 432  
 New Jersey RTK Hazardous Substance:  
     DOT: 2085 - Sub No.: 0215 - TPQ: -  
 Pennsylvania Haz. Substance code: E  
 Washington Air Contaminant:  
     TWA: 5 mg

**National regulations - Great Britain**

Hazchem-Code: -

**16. Other information**

Text for labeling: Contains < 14 % Dibenzoyl peroxide, < 2.5 % Bisphenol A epoxy resin (molecular-weight < 700). Safety data sheet available on request.



**SAFETY DATA SHEET**

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

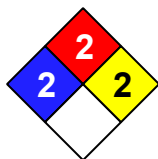
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Hazard rating systems:



NFPA Hazard Rating:  
Health: 2 (Moderate)  
Fire: 2 (Moderate)  
Reactivity: 2 (Moderate)  
HMIS Version III Rating:  
Health: 2 (Moderate)  
Flammability: 2 (Moderate)  
Physical Hazard: 2 (Moderate)  
Personal Protection: X = Consult your supervisor

HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	2
	X

Reason of change: Changes in section 1.3: Corporate headquarters

Date of first version: 9/30/2015

**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.