

## 1 Identification

### Product identifier

Trade name: 636W28=A - Special Glue Part A

### Recommended use and restrictions on use

General use: Adhesive for orthopedic procedures.  
Reserved for industrial and professional use.

### 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

Skin Irritation 2

Causes skin irritation.

Eye Irritation 2A

Causes serious eye irritation.

Sensitization - skin 1

May cause an allergic skin reaction.

Aquatic toxicity - chronic 2

Toxic to aquatic life with long lasting effects.

### Information elements

Symbols:



Signal word:

**Warning**

**Hazard statements:**

- Causes skin irritation.
- May cause an allergic skin reaction.
- Causes serious eye irritation.
- Toxic to aquatic life with long lasting effects.

**Precautionary statements:**

- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Wash hands and face thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective gloves and eye protection.
- IF ON SKIN: Wash with plenty of water/soap.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Specific treatment (see 'First aid' on this label).
- If skin irritation or rash occurs: Get medical advice/attention.
- If eye irritation persists: Get medical advice/attention.
- Take off contaminated clothing and wash it before reuse.
- Collect spillage.
- Dispose of contents/container to hazardous or special waste collection point.

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

Special danger of slipping by leaking/spilling product.  
People who suffer from skins problems, asthma, allergies, chronic or recurring respiratory illnesses must not be deployed in processes, which use this mixture.

## 3 Composition/Information on ingredients

### Mixture

Hazardous ingredients:

CAS No.	Designation	Content	Classification
CAS 25068-38-6	Reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight ≤ 700)	50 - 70 %	Skin Irritation 2. Eye Irritation 2A. Sensitization - skin 1. Aquatic toxicity - chronic 2.

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.  
First aider: Pay attention to self-protection!

**In case of inhalation:** Move victim to fresh air; if necessary, provide artificial respiration or oxygen. Seek medical attention.

**In case of swallowing:** Do not induce vomiting. Consult physician.  
Never give anything by mouth to an unconscious person.  
Rinse mouth and drink large quantities of water.

In case of skin contact: Take off immediately all contaminated clothing and wash it before reuse. Wash with generous amount of water and soap. 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

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.  
Symptoms: Reddening, causes tears.

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

Treat symptomatically. Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

## 5 Fire-fighting measures

### Suitable and unsuitable extinguishing media

Suitable extinguishing media:

Water spray jet, alcohol resistant foam, extinguishing powder, carbon dioxide, sand.

Unsuitable extinguishing media:

Full water jet

### Specific hazards arising from the product

In case of fire may be liberated: halogenated compounds, carbon monoxide and carbon dioxide.

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

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

Additional information:

Use fine water spray to extinguish surrounding fire and to cool endangered containers. Do not allow water used to extinguish fire to enter drains, ground or waterways.

## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Wear appropriate protective equipment. Keep unprotected people away.  
Avoid contact with skin, eyes, and clothing. Do not breathe vapour/aerosol. Provide adequate ventilation.  
Take off immediately all contaminated clothing and wash it before reuse.

Environmental precautions:

Do not allow to enter into surface water or drains. If necessary, notify appropriate authorities.

### Methods and material for containment and cleaning up

Keep upwind. Stop leak if safe to do so. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place 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 good ventilation and/or an exhaust system in the work area.  
Avoid contact with skin, eyes, and clothing. Do not breathe vapour/aerosol.  
Wear appropriate protective equipment. Take off immediately all contaminated clothing and wash it before reuse.  
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.  
People who suffer from skins problems, asthma, allergies, chronic or recurring respiratory illnesses must not be deployed in processes, which use this mixture.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.

### Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

storage temperature 2 - 40 °C Keep only in the original container. Protect from direct sunlight. Store containers in upright position. Keep container tightly closed and dry.  
Keep in a cool place.

Hints on joint storage:

Avoid contact with strong acids, strong bases and strong oxidizing agents.  
Keep away from food, drink and animal feedingstuffs.

## 8 Exposure controls/Personal protection

### Control parameters

### Appropriate engineering controls

Use only explosion-protected equipment/instruments.

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

Respiratory protection: Use respiratory protection whenever ventilation is inadequate.  
If necessary: Use filter type A-P2 according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

Hand protection: Protective gloves according to OSHA Standard - 29 CFR: 1910.138.  
Glove material: butyl caoutchouc (butyl rubber), ethylene vinyl alcohol laminate (EVAL).  
Breakthrough time: >480 min. During splash contact: Nitrile rubber, Neoprene.  
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: Closed work clothing

General hygiene considerations:  
Avoid contact with skin, eyes, and clothing.  
Wash hands before breaks and after work.  
Do not breathe vapour/aerosol.  
Keep away from food, drink and animal feedingstuffs.  
Take off immediately all contaminated clothing and wash it before reuse.

### 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:	white
Odour:	weakly aromatic
Odour threshold:	No data available
Melting point and freezing point:	No data available
Boiling point or initial boiling point and boiling range:	> 200 °C
Flammability:	No data available
Lower and upper explosion limit or lower and upper flammability limit:	No data available
Flash point/flash point range:	> 149 °C (c.c.)
Evaporation rate:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	> 200°C
pH:	at 50%: 6
Dynamic viscosity:	at 25 °C: 20 - 40 mPa*s
Water solubility:	at 20 °C: insoluble
Partition coefficient — n-octanol/water:	3.242 log P(o/w) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.
Vapour pressure:	No data available
Density and/or relative density	(Relative density) 1.4 g/mL
Vapour density:	No data available
Particle characteristics:	Not applicable

### Additional information

## 10 Stability and reactivity

Reactivity:	refer to section 10.3
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No particulary hazards known.
Conditions to avoid:	Protect from direct sunlight. Keep away from heat.
Incompatible materials:	Avoid contact with strong acids, strong bases and strong oxidizing agents.
Hazardous decomposition products:	No hazardous decomposition products when regulations for storage and handling are observed.

## 11 Toxicological information

### Information on the likely routes of exposure

No data available

### Health hazard information

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Skin Irritation 2 = Causes skin 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: Inconclusive data.

Information about Reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight  $\leq 700$ )

OECD 471 (Ames test): positive

OECD 478 (Rodent Dominant Lethal Test): negative

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

Information about Reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight  $\leq 700$ )

OECD 453 (Rat, oral): negative

OECD 453 (Mouse, dermal): negative

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

Information about Reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight  $\leq 700$ )

OECD 416 (Rat, oral): NOEL = 540 mg/kg

OECD 414 (Rat, oral): NOEL > 540 mg/kg

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

Information about Reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight  $\leq 700$ )

OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents): NOAEL = 50 mg/kg

OECD 411: NOAEL = 100 mg/kg

Aspiration hazard: Lack of data.

Other information:

Information about Reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight  $\leq 700$ ):

LD50 Rat, dermal > 2,000 mg/kg

LD50 Rat, oral > 2,000 mg/kg

### Symptoms

In case of ingestion: Mucous membrane irritation

After contact with skin: Reddening.

After eye contact: Reddening, causes tears.

## 12 Ecological information

### Ecotoxicity

Aquatic toxicity: Toxic to aquatic life with long lasting effects.  
Reaction product with Bisphenol-A-(epichlorohydrin) epoxy resin (molecular weight  $\leq 700$ ):  
Algae toxicity:  
EC50 algae: 9.4 mg/L/72h. (EPA CFR)  
Daphnia toxicity:  
EC50 Daphnia magna: 1.7 mg/L/48h. (OECD 202)  
NOEC Daphnia magna: 0.3 mg/L/21d. (OECD 211)  
Fish toxicity:  
LC50: 1.5 mg/L/96h. (OECD 203)

### Persistence and degradability

Further details: Information about Reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight  $\leq 700$ ):  
Biodegradation: 5% (OECD 301 F).  
Product is not readily biodegradable.

### Bioaccumulative potential

Bioconcentration factor (BCF): Information about Reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight  $\leq 700$ ): Bioconcentration factor (BCF): 31

### Mobility in soil

No data available

### Other adverse effects

General information: Do not allow to enter ground water or storm 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.  
Non-contaminated packages may be recycled.

## 14 Transport information

### UN number

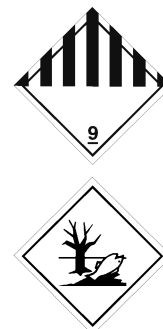
TDG: UN3082  
IMDG, IATA-DGR: UN 3082

### UN proper shipping name

TDG, IMDG, IATA-DGR: UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight  $\leq 700$ ))

### 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

#### 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. (Reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight  $\leq$  700))

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

Reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight  $\leq$  700): DSL: listed

### Further regulations, limitations and legal requirements

No data available

## 16 Other information

Text for labelling: Contains Reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight  $\leq$  700)

Revision date: 1/1/2026

Date of first version: 6/10/1994

Reason of change: Changes in section 14: IATA-DGR 2026

### Abbreviations and acronyms:

Aquatic toxicity - chronic: Hazardous to the aquatic environment - chronic  
 AS/NZS: Australian Standards/New Zealand Standards  
 BCF: Bioconcentration Factor  
 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  
 EC50: Effective Concentration 50%  
 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  
 LC50: Median lethal concentration  
 LD50: Lethal dose 50%  
 log P(o/w): Partition coefficient: octanol/water  
 MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
 MFSU: Manufacture, formulation, supply and use  
 NOAEL: No Observed Adverse Effect Level  
 NOEC: No Observed Effect Concentration  
 OECD: Organisation for Economic Co-operation and Development  
 OSHA: Occupational Safety and Health Administration  
 PBT: Persistent, bioaccumulative and toxic  
 PNEC: Predicted no-effect concentration  
 Sensitization - skin: Skin sensitisation  
 Skin Irritation: Skin irritation  
 TDG: Transportation of Dangerous Goods Regulation in Canada  
 TRGS: Technical Rules for Hazardous Substances  
 UN: United Nations  
 vPvB: Very persistent and very bioaccumulative

### 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.