

## 1. Identification

### Product identifier

Trade name: 636W23-B - UHU PLUS Binder

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

General use: Adhesive  
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  
Zip code, city: Salt Lake City, UT 84120  
USA  
WWW: www.ottobockus.com  
Telephone: +1 (801) 956-2400  
Telefax: +1 (801) 956-2401  
Department 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 telephone number

**CHEMTREC, Telephone: +1 (800) 424-9300**  
**Transport:**  
**CONSULTANK Lutz Harder GmbH (Contract QUALI003)**  
**Telephone: +49 (0)178-4337434 (from USA: 01149 178 4337434)**

## 2. Hazard identification

### Classification of the substance or mixture

Skin Irritation - Category 2	Causes skin irritation.
Eye Irritation - Category 2A	Causes serious eye irritation.
Sensitization - skin - Category 1	May cause an allergic skin reaction.
Aquatic toxicity - chronic - Category 2	Toxic to aquatic life with long lasting effects.

### Label 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 mist/vapors/spray.
- Wash hands and face thoroughly after handling.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection.
- 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.

## Other hazards

Special danger of slipping by leaking/spilling product.

## 3. Composition/information on ingredients

### Mixtures

Chemical characterization: Mixture of the substances listed below with non-hazardous additions

Relevant ingredients:

CAS No.	Designation	Concentration	Classification
CAS 25068-38-6	Reaction product: Bisphenol-A- (epichlorohydrin) epoxy resin (number average molecular weight ≤ 700)	50 - 100 %	Eye Irritation - Category 2A. Sensitization - skin - Category 1. Specific Target Organ Toxicity (Repeated Exposure) - Category 2. Aquatic toxicity - chronic - Category 2.
CAS 9003-36-5	Bisphenol-F epoxy resin with average molecular weight <=700	2.5 - 10 %	Skin Irritation - Category 2. Sensitization - skin - Category 1. Aquatic toxicity - chronic - Category 2.

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

## 4. 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 irritation persists.

Following skin contact: Immediately clean with water and soap followed by thorough rinsing. 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: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.  
Do not induce vomiting. Immediately get medical attention.

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

Causes skin irritation. May cause an allergic skin reaction.

Causes serious eye irritation.

### Information to physician

Treat symptomatically.

## 5. Fire-fighting measures

### Suitable (and unsuitable) extinguishing media

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

On heating or in case of fire toxic gases may form.

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

### Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus.

Additional information:

Use fine water spray to cool endangered containers. 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, protective equipment and emergency procedures

Avoid breathing mist/vapors/spray. Avoid contact with the substance.

Wear appropriate protective equipment. Keep unprotected people away.

Provide adequate ventilation. If possible, eliminate leakage.

Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse.

Environmental precautions:

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

### Methods and material for containment and cleaning up

Methods for clean-up:

Collect with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents, or sawdust) 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: Make sure there is sufficient air exchange and / or that working rooms are air suctioned.

Avoid contact with skin and eyes.

Avoid breathing mist/vapors/spray. 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.

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:

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

### Appropriate engineering controls

Make sure there is sufficient air exchange and / or that working rooms are air suctioned.

### Personal protection equipment (PPE)

**Respiratory protection:** In case of inadequate ventilation wear respiratory protection. Wear half-mask respirator with combination filter for organic vapors and particles. The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product.

**Hand protection:** Protective gloves according to OSHA Standard - 29 CFR: 1910.138.  
permanent contact, Glove material: butyl caoutchouc (butyl rubber), ethylene vinyl alcohol laminate (EVAL)  
Layer thickness: 0.7 mm  
Breakthrough time: >480 min.  
During splash contact, Glove material: Neoprene, nitrile rubber  
Breakthrough time: 10 - 480 min  
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:**

Avoid breathing mist/vapors/spray. Avoid contact with skin and eyes.  
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.

### Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state at 68 °F and 101.3 kPa: liquid  
Color: colorless  
Odor: weak, characteristic  
Odor threshold: No data available

Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	No data available
Explosion limits:	No data available
Flash point/flash point range:	> 302 °F
Evaporation rate:	No data available
Auto-ignition temperature:	not self-igniting
Decomposition temperature:	No data available
pH:	at 68 °F: 6
Dynamic viscosity:	at 68 °F: 40,000 mPa*s
Water solubility:	at 68 °F: immiscible
Partition coefficient: n-octanol/water:	No data available
Vapor pressure:	No data available
Density:	at 68 °F: 1.15 g/mL
Vapor density:	No data available
Particle characteristics:	Not applicable

### Additional information

Explosive properties:	Product is not explosive.
Ignition temperature:	Not applicable
Solid content:	91 %

## 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:	Keep away from heat sources, sparks and open flames. Protect from direct sunlight.
Incompatible materials:	No data available
Hazardous decomposition products:	No decomposition when used properly.

## 11. Toxicological information

### Information on toxicological effects

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

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

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

Skin corrosion/irritation: Skin Irritation - Category 2 = Causes skin irritation.

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

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.

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

Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.

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

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

Effects on or via lactation: Lack of data.

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

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

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

### 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.  
Avoid spills and leaks. Very small amounts contaminates drinking water.

### 13. Disposal considerations

#### Waste treatment methods

##### Product

Recommendation: Dispose of waste according to applicable legislation.  
Do not dispose of with household waste.

##### Package

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

### 14. Transport information

#### UN number

DOT: UN3082

IMDG, IATA-DGR: UN 3082

#### UN proper shipping name

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

#### Transport hazard class(es)

DOT: 9

IMDG: Class 9, Subrisk -

IATA-DGR: Class 9



#### Packing group

DOT, IMDG, IATA-DGR: III

#### Environmental hazards

Marine pollutant: yes

#### Transport in bulk according to IMO instruments

No data available

#### Special precautions for user

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

Labels: 9

Symbols: G

Special Provisions: 8, 146, 173, 335, 441, IB3, T4, TP1, TP29

Packaging – Exceptions: 155

Packaging – Non-bulk: 203

Packaging – Bulk: 241

Quantity limitations – Passenger aircraft / rail:

No limit

Quantity limitations – Cargo only: No limit

Vessel stowage – Location: A

### 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  $\leq 700$ ) and Bisphenol-F epoxy resin with 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 - U.S. Federal Regulations

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

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

No data available

### Further regulations, limitations and legal requirements

No data available

## 16. Other information

Text for labeling: Contains 50 - 100 % Reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight  $\leq 700$ ), 2.5 - 10 % Bisphenol-F epoxy resin with average molecular weight  $\leq 700$ .



Revision date: 1/1/2026  
Date of first version: 9/10/1994  
Reason of change: Changes in section 14: IATA-DGR 2026

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 1 (Slight)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

Abbreviations and acronyms:

Aquatic toxicity - chronic: Hazardous to the aquatic environment - chronic  
AS/NZS: Australian Standards/New Zealand Standards  
CAS: Chemical Abstracts Service  
CFR: Code of Federal Regulations  
CLP: Classification, Labelling and Packaging  
DMEL: Derived minimal effect level  
DNEL: Derived no-effect level  
DOT: Department of Transportation's Safety Regulations (USA)  
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  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, bioaccumulative and toxic  
PNEC: Predicted no-effect concentration  
Sensitization - skin: Skin sensitisation  
Skin Irritation: Skin irritation  
STOT RE: Specific target organ toxicity - repeated exposure  
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.