

# SAFETY DATA SHEET



## Penguin Epoxy Filler - Comp. A

### 1. Identification of the preparation and of the company

**Product name and/or code** : Penguin Epoxy Filler - Comp. A

**Supplier/Manufacturer** : Jotun Paints (Europe) Ltd.  
Stather Road  
Flixborough, Scunthorpe  
North Lincolnshire  
DN15 8RR  
England

Tel: +44 17 24 40 00 00  
Fax: +44 17 24 40 01 00  
SDSJotun@jotun.no

**Emergency telephone number** : Contact National Poison Centre via Hospital or Registered Medical Practitioner

**Product use** : Coatings: Penguin Epoxy-Sparkel is a two-pack filler for use on boats, above and beneath the water line. It prevents water penetration and is especially well suited for treatment of damages caused by osmosis. May be recoated with all types of paint. The putty may be applied up to a thickness of 20 mm. If the application is done in more than one operation, with more than one week between layers, a good rinsing with fresh water is needed before the next layer is applied. Penguin Epoxy-Sparkel may be used on most substrates, like plastic, steel, lead, aluminium etc. Penguin Epoxy-Sparkel should not be used at low temperatures and at high air humidity, as this may delay the hardening process. The filler needs sanding prior to further treatment.

### 2. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Irritating to eyes and skin. May cause sensitisation by skin contact.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



Irritant



Dangerous for the environment.

**Additional warning phrases** : Contains epoxy constituents. See information supplied by the manufacturer. This information is provided by the present Safety Data Sheet.

The preparation may be a skin sensitiser. It may also be a skin irritant and repeated contact may increase this effect.

### 3. Composition/information on ingredients

**Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.**

Chemical name*	CAS number	EC number	%	Classification
bis(oxyranilylmethyl)ether Bisphenol F	87110-76-7		50 - 100	Xi; R36/38 R43
alkyl (c10-c16) glycidyl ether	68081-84-5	268-358-2	2.5 - 10	N; R51/53 Xi; R36/38 R43
benzyl alcohol	100-51-6	202-859-9	2.5 - 10	N; R51/53 Xn; R20/22
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

## 4. First-aid measures

### First-aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do not use solvents or thinners.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.

## 5. Fire-fighting measures

- Extinguishing media** : Recommended: alcohol-resistant foam, CO<sub>2</sub>, powders, water spray.  
Not to be used : water jet.
- Recommendations** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

## 6. Accidental release measures

- Personal precautions** : Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.
- Spill** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Preferably clean with a detergent. Avoid using solvents. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

**Note: see section 8 for personal protective equipment and section 13 for waste disposal.**

## 7. Handling and storage

- Handling** : Keep container tightly closed.
- Avoid contact with skin and eyes. Avoid inhalation of vapour, spray or mist.
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.
- Put on appropriate personal protective equipment (see section 8).
- Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one.
- Comply with the health and safety at work laws.
- Storage** : Store in accordance with local regulations. Store in a cool, well-ventilated area away from incompatible materials and ignition sources.
- Keep away from: oxidising agents, strong alkalis, strong acids.  
No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.  
Do not empty into drains.

## 8. Exposure controls/personal protection

**Engineering measures** : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

**Occupational exposure limits** : Not available.

### Personal protective equipment

**Respiratory system** : Use appropriate respiratory protection if there is a risk of exceeding any exposure limits.(as filter A)

**Hands** : For prolonged or repeated handling, use the following type of gloves: gloves: nitrile.

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

For right choice of glove materials, with focus on chemical resistance and time of penetration, seek advice by the supplier of chemical resistant gloves.

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

**Eyes** : Use safety eyewear designed to protect against splash of liquids.

## 9. Physical and chemical properties

**Physical state** : Liquid. [Paste.]

**Odour** : Faint odour.

**Colour** : Brown.

**Flash point** : Closed cup: 150°C (302°F)

**Density** : 1.3 g/cm<sup>3</sup>

**Vapour density** : Highest known value: 3.72 (Air = 1) (Benzyl alcohol).

**Solubility** : Insoluble in the following materials: cold water and hot water.

## 10. Stability and reactivity

Stable under recommended storage and handling conditions (see section 7).

Hazardous decomposition products: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

## 11. Toxicological information

There is no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 2 and 15 for details.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage.

Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. It contains low molecular weight epoxy constituents which are irritating to eyes, mucous membrane and skin. Repeated skin contact may lead to irritation and to sensitisation, possibly with cross-sensitisation to other epoxies. Skin contact with the preparation and exposure to spray mist and vapour should be avoided.

Contains bis(oxyranlylmethyl)ether Bisphenol F, alkyl (c10-c16) glycidyl ether. May produce an allergic reaction.

## 12. Ecological information

There is no data available on the preparation itself.  
Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 15 for details.

## 13. Disposal considerations

Do not allow to enter drains or watercourses. Material and/or container must be disposed of as hazardous waste.

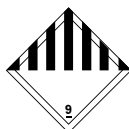
**European waste catalogue (EWC)** : 08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances. If this product is mixed with other wastes, this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned. For further information, contact your local waste authority.

## 14. Transport information

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### International transport regulations

**Proper shipping name** : Environmentally hazardous substance, liquid, n.o.s. (alkyl (c10-c16) glycidyl ether)  
**UN number** : 3082  
**Class** : 9  
**Packing group** : III  
**Label** :



### Additional information

**ADR / RID** : Hazard identification number: 90  
**IMDG** : Emergency schedules (EmS): F-A, S-F  
Marine pollutant: No.

Transport in accordance with ADR/RID, IMDG/IMO and ICAO/IATA and national regulation.

## 15. Regulatory information

**EU regulations** : The product is classified and labelled for supply in accordance with the Directive 1999/45/EC as follows:

**Hazard symbol or symbols** :



Irritant



Dangerous for the environment.

**Risk phrases** : R36/38- Irritating to eyes and skin.  
R43- May cause sensitisation by skin contact.  
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases** : S2- Keep out of the reach of children.  
S24- Avoid contact with skin.  
S29- Do not empty into drains.  
S37- Wear suitable gloves.  
S46- If swallowed, seek medical advice immediately and show this container or label.

**Contains** : bis(oxyranilmethyl)ether Bisphenol F  
alkyl (c10-c16) glycidyl ether

**Additional warning phrases** : Contains epoxy constituents. See information supplied by the manufacturer. This information is provided by the present Safety Data Sheet.

Sprøjetpåføring er kun tilladt i lukkede systemer, sprøjtebokse eller kabiner med mindre anmeldelse/dispensation foreligger. Personer, der har eksem el. konstateret epoxyallergi, må ikke arbejde med denne type produkter.

Ved erhvervsmæssig arbejde med epoxyprodukter skal Arbejdstilsynets bekendtgørelse om arbejde med stoffer og materialer, bilag III følges. udover hvad der tidligere er nævnt i dette sikkerhedsdatablad indeholder bekendtgørelsen bl.a. bestemmelser om vaskefaciliteter, om en omhyggelig personlig hygiejne samt opsætning af advarselstavler.

Må kun anvendes erhvervsmæssigt af personer der har gennemgået den særlige uddannelse for arbejdede med epoxy og isocyanater.

## 16. Other information

**CEPE Classification** : 8  
**Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK)** : R20/22- Harmful by inhalation and if swallowed.  
R36/38- Irritating to eyes and skin.  
R43- May cause sensitisation by skin contact.  
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information in this Safety Data Sheet is required pursuant to EU Directive 91/155/EEC and its amendments.

**Date of issue** : 07.09.2007.

**Version** : 1

 Indicates information that has changed from previously issued version.

### Notice to reader

*The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.*