



# SAFETY DATA SHEET

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

Product Name and/or Code : HEMPEL'S EPOXY FILLER 35250

Company name and address : Blakes Paints  
Swanwick Marina  
Southampton  
Hampshire SO31 7EF  
Telephone: 01489 864440

Emergency phone:  
01489 864440  
See section 4 First aid measures.

Product Type : epoxy filler

Field of application : buildings. Metal industry private (yacht), ships and shipyards.

Ready for use mixture : 35259 5 LI / 95250 5 LI

Date of issue : 25-02-2004.

Date of previous issue : No Previous Validation.

## 2. Composition/information on ingredients

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

| Ingredient Name                                    | CAS no.    | %     | EC Number | Classification                        |
|--|------------|-------|-----------|---------------------------------------|
| bisphenol A-(epichlorhydrin) epoxy resin MW =< 700 | 25068-38-6 | 20-30 | 500-033-5 | Xi; R36/38<br>R43<br>N; R51/53        |
| butylbenzylphthalate                               | 85-68-7    | 5-10  | 201-622-7 |                                       |
| benzyl alcohol                                     | 100-51-6   | 2-5   | 202-859-9 | Xn; R20/22                            |
| 3-aminomethyl-3,5,5- trimethylcyclohexylamine      | 2855-13-2  | 2-5   | 220-666-8 | Xn; R21/22<br>C; R34<br>R43<br>R52/53 |
| 2,2,4- and 2,4,4- trimethylhexamethylene diamine   | 25620-58-0 | 0.5-1 | 247-134-8 | Xn; R22<br>C; R34<br>R43<br>N; R51/53 |

### Notes

(\*) See full text of phrases under Chapter 16 and \* Occupational Exposure Limit(s), if available, are listed in Section 8

## 3. Hazards identification



Irritant



Dangerous for the environment

May cause sensitisation by skin contact. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 4. 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** : Move the person into fresh air and keep the person under surveillance. 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.

- Eye Contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek immediate medical attention.
- 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.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting unless directed to do so by medical personnel. Lower the head so that the vomit will not reenter the mouth and throat.
- Notes to physician** : If gasses have been inhaled, from the decomposition of the product, symptoms may be delayed.

## 5. Fire-fighting measures

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Fire-fighters should wear proper protective equipment. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

- Extinguishing Media** : Recommended: alcohol resistant foam, CO<sub>2</sub>, powders, water spray.  
Not to be used : waterjet.
- Fire Degradation Products** : These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...).  
Some metallic oxides.

## 6. Accidental release measures

Exclude sources of ignition and be aware of explosion hazard. Ventilate the area.

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth, and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses.

Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulation

## 7. Handling and storage

### Handling

Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits. In addition, the product should be used only in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. To dissipate static electricity during transfer, ground drum and connect to receiving container with bonding strap. No sparking tools should be used. Avoid all possible skin contact with epoxy and amine containing products, they may cause allergic reactions.

Avoid inhalation of vapour, dust and spray mist. Avoid contact with skin and eyes. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Appropriate personal protective equipment: see Section 8. Always keep in containers made from the same material as the original one.

### Storage

Store in accordance with local regulations for flammable liquids. Observe label precautions. Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep out of the reach of children.

Keep away from: Oxidizing agents, strong alkalis, strong acids. No smoking. Prevent unauthorized access. Containers that are opened must be carefully resealed and kept upright to prevent leakage.

## 8. Exposure controls/personal protection

- Engineering measures** : Arrange sufficient ventilation by local exhaust ventilation and good general ventilation to keep the airborne concentrations of vapors or dust lowest possible and below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
- Hygiene measures** : Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

| Ingredient Name      | Occupational Exposure Limits   |
|----------------------|--|
| butylbenzylphthalate | EH40-OES (United Kingdom (UK), 2002). Notes: OES TWA: 5 mg/m <sup>3</sup> 8 hour(s). |

### Personal protective equipment

|                    |   |
|--------------------|---|
| General            | : Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product.   |
| Respiratory system | : Wear appropriate respirator when ventilation is inadequate. Be sure to use approved/certified respirator or equivalent. Always wear air-fed respirator when spraying. It is not possible to specify precise filter type, since the actual work situation is unknown. Supplier of respirators should be contacted in order to find the appropriate filter.                                   |
| Skin and body      | : Wear suitable protective clothing. Always wear protective clothing when spraying.   |
| Hands              | : Wear suitable gloves. Barrier creams may help to protect the exposed areas of the skin, but should not be applied once exposure has occurred. Barrier creams may not be used under or instead of gloves.<br>It is not possible to specify precise type of gloves, since the actual work situation is unknown. Supplier of gloves should be contacted in order to find the appropriate type. |
| Eyes               | : Face shield or Safety glasses with side shields.  |

## 9. Physical and chemical properties

|                  |                                       |
|------------------|---------------------------------------|
| Physical state   | : Liquid.                             |
| Density          | : 1.585 g/cm <sup>3</sup>             |
| Solubility       | : Insoluble in cold water, hot water. |
| Flash point      | : Closed cup: 70.1°C (158.2°F).       |
| Explosion Limits | : 1.2 - 15 vol %                      |
| % by Weight      | : Weighted average: 1 %               |
| % by Weight      | : Weighted average: 0 %               |
| VOC Content      | : Weighted average: 13 g/l (CEPE)     |
| TOC Content      | :                                     |

## 10. Stability and reactivity

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

Reactive with metals.

Slightly reactive to reactive with oxidising agents, acids.

When exposed to high temperatures (i.e. in case of fire) hazardous decomposition products may be formed: These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...). Some metallic oxides.

## 11. Toxicological information

### Effects and symptoms

Epoxy and amine containing products can cause skin disorders such as allergic eczema. The allergy may arise after only a short exposure period.

|               |  |
|---------------|--|
| Sensitization | : Contains (bisphenol A-(epichlorhydrin) epoxy resin MW =< 700, 3-aminomethyl-3,5,5- trimethylcyclohexylamine, 2,2,4- and 2,4,4-trimethylhexamethylene diamine). May produce an allergic reaction. |
|---------------|--|

## 12. Ecological information

The product must not be drained into water courses or drainage system.

The product is considered having hazardous effects in the aquatic environment following the method of the Dangerous Preparations Directive.

| Ingredient Name                               | Species                    | Period     | Result    |
|---|----------------------------|------------|-----------|
| benzyl alcohol                                | Lepomis macrochirus (LC50) | 96 hour(s) | 10 mg/l   |
|   | Pimephales promelas (LC50) | 96 hour(s) | 460 mg/l  |
| 3-aminomethyl-3,5,5- trimethylcyclohexylamine | Daphnia magna (EC50)       | 48 hour(s) | 17.4 mg/l |

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## 13. Disposal considerations

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Residues of the product is listed as hazardous waste. Dispose of according to all state and local applicable regulations.

Spillage, remains, discarded clothes and similar should be discarded in a fireproof container.

European waste catalogue no. (EWC) and national waste group, catalogue, code or number is given below.

EWC no. : 08 01 11



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## 14. Transport information

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Transport may take place according to national regulation or ADR for transport by road, RID for transport by train, IMDG for transport by sea.

The transport classification is according to ADR 2003, IMDG edition 2002 (incl. Amdt. 31-02).

|                      | UN-no. | Proper shipping name  | Class | Packing group | Label  | Additional Information |
|----------------------|--------|---|-------|---------------|--|------------------------|
| <b>ADR/RID Class</b> | UN3082 | Environmentally hazardous substance, liquid, n.o.s.   | 9     | -             |  | -                      |
| <b>IMDG Class</b>    | UN3082 | Environmentally hazardous substance, liquid, n.o.s.. (bisphenol A-(epichlorhydrin) epoxy resin MW =< 700, butylbenzylphthalate) | 9     | III           |  | (P)                    |

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## 15. Regulatory information

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Classification and labelling according to EU-Directives (the Preparations directive etc.).

**Classification** : **Irritant, Dangerous for the environment**

**Contains** : - bisphenol A-(epichlorhydrin) epoxy resin MW =< 700  
- 3-aminomethyl-3,5,5- trimethylcyclohexylamine

**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.  
S23- Do not breathe vapor/spray.  
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.  
S51- Use only in well-ventilated areas.

**Additional Warning Phrases** : Contains epoxy constituents. See information supplied by the manufacturer.

### Other EU regulations

Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.

- Consumer applications, Industrial applications, Used by Spraying.

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## 16. Additional Information

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Full text of R phrases referred to in Sections 2 and 3 - United Kingdom (UK) : R20/22- Harmful by inhalation and if swallowed.  
R21/22- Harmful in contact with skin and if swallowed.  
R22- Harmful if swallowed.  
R34- Causes burns.  
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.  
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications referred to in Sections 2 and 3 - United Kingdom (UK) : C - Corrosive  
Xn - Harmful  
Xi - Irritant  
N - Dangerous for the environment.

**Notice to Reader**

Modified data or content compared with the previous version are marked with a triangular marker in the upper-left corner within the Safety Data Sheet.

The information contained in this safety data sheet is based on the present state of knowledge and EU and national legislation. It provides guidance on health, safety and environmental aspects for handling the product in a safe way and should not be construed as any guarantee of the technical performance or suitability for particular applications. It is always the duty of the user/employer to ascertain that the work is planned and carried out in accordance with the national regulations.