

COLOFILL



Date 26.5.2011

Previous date: 29.5.2008

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
- 1.1.1 Commercial Product Name**
COLOFILL
- 1.1.2 Product code**
008 4611
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
- 1.2.1 Recommended use**
Painting work.
Description: 2-component epoxy putty, base part
- 1.3 Details of the supplier of the safety data sheet**
- 1.3.1 Supplier**
Tikkurila Oyj
- P.O.Box** P.O.Box 53
Postcode and post office FI-01301 VANTAA
FINLAND
- Telephone** +358 9 857 71
Telefax +358 9 8577 6936
- 1.3.4 Responsible for the Safety Data Sheet:**
Tikkurila Oyj, Product Safety, e-mail: productsafety@tikkurila.com
- 1.4 Emergency telephone number**
- 1.4.1 Telephone number, name and address**
Tikkurila Oyj, Environment and Safety: +358 9 857 71

2. HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
67/548/EEC - 1999/45/EC
Xi, N; R36/38-43-51/53
- 2.2 Label elements**
67/548/EEC - 1999/45/EC
- | | | | |
|----|-------------------------------|---|---|
| Xi | Irritant |  |  |
| N | Dangerous for the environment | | |
- R-phrases(s)**
- | | |
|--------|---|
| R36/38 | Irritating to eyes and skin. |
| R43 | May cause sensitization by skin contact. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
- S-phrases(s)**
- | | |
|-----------|---|
| S24 | Avoid contact with skin. |
| S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| S36/37/39 | Wear suitable protective clothing, gloves and eye/face protection. |
| S51 | Use only in well-ventilated areas. |
| S29 | Do not empty into drains. |
- Contains:**
Epoxy resin (mw < 700) and 2,3-epoxypropyl neodecanoate
- Special regulations on certain preparations**
Contains epoxy constituents. See information supplied by the manufacturer.
- 2.3 Other hazards**

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3. COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures****Hazardous components**

CAS number	EINECS	Chemical name of the substance	Concentration	Classification
25068-38-6	500-033-5	Epoxy resin (mw < 700)	25 - 50 %	Xi, N; R36/38-43-51/53
100-51-6	202-859-9	Benzyl alcohol	5 - 10 %	Xn; R20/22
26761-45-5	247-979-2	2,3-epoxypropyl neodecanoate	1 - 5 %	Xi, N; R43-51/53

3.3 Other information

See Section 16 for full text of R-phrases and H-statements.

4. FIRST AID MEASURES**4.1 Description of first aid measures**

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.2 Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Seek medical attention.

4.1.3 Skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners.

4.1.4 Eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 15 minutes and seek medical advice if necessary.

4.1.5 Ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

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

4.3 Indication of immediate medical attention and special treatment needed

5. FIREFIGHTING MEASURES**5.1 Extinguishing media****5.1.2 Extinguishing media which must not be used for safety reasons**

Waterjet

5.2 Special hazards arising from the substance or mixture

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.

5.3 Advice for firefighters

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Avoid skin contact with the product. Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Do not allow to enter drains or water courses.

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6.3 Methods and materials for containment and cleaning up
Contain and collect spillage with non-combustible absorbent materials, e.g. sand or vermiculite and place in a container for disposal according to local regulations. Clean preferably with a detergent; avoid the use of solvents.

6.4 Reference to other sections

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid skin and eye contact. Avoid inhalation of vapour. Avoid inhalation of dust from sanding. Smoking, eating and drinking should be prohibited in application area.

7.2 Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well ventilated place. Keep away from oxidising agents, from strongly alkaline and strongly acid materials. No smoking. Keep container tightly closed. Do not allow to freeze.

7.3 Specific end use(s)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

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8.2 Exposure controls

8.2.1 Appropriate engineering controls

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 vapour below the OEL, suitable respiratory protection must be worn.

The product contains epoxy constituents. Skin contact with the product and exposure to vapour should be avoided.

8.2.2 Individual protection measures

8.2.2.1 Respiratory protection

Use appropriate certified respirators, with gas and vapour filter A, during sanding with dust filter P2, if ventilation is insufficient. During continuous and long-term work the use of motor-driven or air-fed respirators is recommended.

8.2.2.2 Hand protection

Always wear approved protective gloves against chemicals.

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

Gloves should be replaced regularly. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Recommended protective glove type is e.g.: nitrile rubber (splash protection), butyl rubber (splash protection), laminated foil (breakthrough time > 480 min.) PVC or natural rubber gloves are not recommended.

8.2.2.3 Eye/face protection

Use safety eyewear designed to protect against splash of liquids.

8.2.2.4 Skin protection

Personnel should wear protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Important Health Safety and Environmental Information

9.1.1 Appearance

Viscous liquid

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9.1.6	Initial boiling point and boiling range	-
9.1.7	Flash point	-
9.1.10	Explosive properties	-
9.1.10.1	Lower explosion limit	-
9.1.11	Vapour pressure	-
9.1.13	Relative density	0,9
9.1.14	Solubility(ies)	-
9.1.14.1	Water solubility	Insoluble
9.2	Other information	-

10. STABILITY AND REACTIVITY

- 10.1 Reactivity**
See section 10.5.
- 10.2 Chemical stability**
Stable under recommended storage and handling conditions (see section 7).
- 10.3 Possibility of hazardous reactions**
See section 10.5.
- 10.4 Conditions to avoid**
When exposed to high temperatures may produce hazardous decomposition products.
- 10.5 Incompatible materials**
Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
- 10.6 Hazardous decomposition products**
Hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc. may produce when exposed to high temperatures.

11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
There are no toxicological test data available on the product itself.
- 11.1.3 Sensitisation**
Exposure by inhalation and skin contact may cause sensitization. Based on the properties of the epoxy constituents and considering toxicological data on similar preparations, this preparation may be a skin and respiratory sensitizer and an irritant. It contains low molecular epoxy constituents which are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies.
- 11.1.8 Other information on acute toxicity**
Inhalation: Long term exposure causes irritation of respiratory system and mucous membranes of nose and throat.
Skin contact: Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis. The liquid splashed in the eyes may cause irritation.
Ingestion: Ingestion may cause nausea.

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- 12.1.1 Aquatic toxicity**
Epoxy resin (mw < 700): LC50 = 3,1 mg/l, Pimephales promelas; toxic. EC50 = 1,4 - 1,7 mg/l, Daphnia magna; toxic. IC50 > 42,6 mg/l, bacteria, growth inhibition, 18 h; harmful

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12.2 Persistence and degradability**12.2.1 Biodegradation**

Epoxy resin (mw < 700): 12 %, 28 d, OECD 302B; not readily biodegradable.

12.3 Bioaccumulative potential

Epoxy resin (mw < 700): octanol/water partition coefficient log Pow = 3,7 - 3,9.

12.4 Mobility in soil

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12.5 Results of PBT and vPvB assessment

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12.6 Other adverse effects

There is no ecotoxicological test data available on the product itself. The product should not be allowed to enter drains or water courses.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Product residues:**

Gather residues into waste containers. Destroy according to the rules given by local authorities. EWC-code for liquid waste is e.g 08 01 11 (waste paint and varnish containing organic solvents or other dangerous substances).

Packaging waste:

Empty cans should be recycled or disposed of in accordance with local regulations.

14. TRANSPORT INFORMATION**14.1 UN number** 3082**14.2 UN proper shipping name** environmentally hazardous substance, liquid, N.O.S. (epoxy resin)**14.3 Transport hazard class(es)** 9**14.4 Packing group** III**14.5 Environmental hazards**

The product is classified as environmentally hazardous according to ADR regulations and IMDG Code (marine pollutant).

14.6 Special precautions for users

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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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14.8 Further Information

EmS: F-A,S-F

15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

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15.2 Chemical safety assessment

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16. OTHER INFORMATION**16.5 Full text of R-phrases and/or Hazard statements (H-statements) referred to under sections 2 and 3**
R20/22 Harmful by inhalation and if swallowed.

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16.8 Additional information

This Safety Data Sheet is prepared in accordance with Annex II (EU) No 453/2010 to Regulation (EC) No 1907/2006 (REACH).

The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Additional information available from:

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