



CONDUCTIVE EPOXY ADHESIVE 3985

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


Product Detail : 3985 Conductive epoxy adhesive
 Application of the substance / the preparation: Epoxy resin
 Manufacturer / supplier: Holland Shielding Systems B.V.
 Jacobus Lipsweg 124
 3316 BP Dordrecht
 the Netherlands
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 info@hollandshielding.com

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification under CLP	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1A: H317;-: EUH205
Most important adverse effects	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Contains epoxy constituents. May produce an allergic reaction.

2.2. Label elements

Label elements	
Hazard statements	H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. EUH205: Contains epoxy constituents. May produce an allergic reaction.
Hazard pictograms	GHS07: Exclamation mark 
Signal word	Warning
Precautionary statements:	P261: Avoid breathing dust/fumes/gas/mist/vapours/spray. P264: Wash hands thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+352: IF ON SKIN: Wash with plenty of water/. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321: Specific treatment (see instructions on this label).

2.3. Other hazards

Other hazards	Irritating to eyes. Irritating to skin
PBT	This product is not identified as a PBT/vPvB substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Hazardous ingredients:
SILVER

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-131-3	7440-22-4	-	-	70-90%

POLY[(PHENYL GLYCIDYL ETHER)-CO-FORMALDEHYDE]

28064-14-4	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317; Skin Sens. 1A: H317; Skin Sens. 1B: H317	10-30%
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4. FIRST AID MEASURES

4.1. Description of first aid measures

Skin contact	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact	Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion	Wash out mouth with water. Consult a doctor.
Inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact	There may be irritation and redness at the site of contact.
Eye contact	There may be irritation and redness. The eyes may water profusely.
Ingestion	There may be soreness and redness of the mouth and throat.
Inhalation	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Delayed / immediate effects	Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment	Eye bathing equipment should be available on the premises.
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5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media	Suitable extinguishing media for the surrounding fire should be used.
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5.2. Special hazards arising from the substance or mixture

Exposure hazards	In combustion emits toxic fumes.
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5.3. Advice for fire-fighters

Advice for fire-fighters	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
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6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or rivers
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6.3. Methods and material for containment and cleaning up

Clean-up procedures	Transfer to a closable, labelled salvage container for disposal by an appropriate method.
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6.4. Reference to other sections

Reference to other sections

Refer to section 8 of SDS.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling requirements

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.
Do not handle in a confined space. Avoid the formation or spread of dust in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Store in a cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight.

7.3. Specific end use(s)

Specific end use(s)

PC1: Adhesives, sealants.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Workplace exposure limits

No data available.

DNEL/PNEC Values

DNEL / PNEC

No data available.

8.2. Exposure controls

Engineering measures
Respiratory protection
Hand protection
Eye protection
Skin protection

Ensure there is sufficient ventilation of the area.

Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

Protective gloves.

Safety glasses. Ensure eye bath is to hand.

Protective clothing.



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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

State	Paste
Colour	Silver
Odour	Perceptible odour
Evaporation rate	Not applicable
Oxidising	Not applicable
Solubility in water	Insoluble
Also soluble in	Ethanol. Acetone. Benzene. Petroleum ether.
Viscosity	Highly viscous
Boiling point/range°C	>35
Flammability limits %: lower	Not applicable
Flash point°C	>93
Vapour pressure	No data available
Melting point/range°C upper	Not applicable
Autoflammability°C	No data available
pH	Not applicable

9.2. Other information

Other information	No data available
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10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity	Stable under recommended transport or storage conditions.
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10.2. Chemical stability

Chemical stability	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

Hazardous reactions	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
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10.4. Conditions to avoid

Conditions to avoid	Heat.
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10.5. Incompatible materials

Materials to avoid	Strong oxidising agents. Strong acids.
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10.6. Hazardous decomposition products

Haz. decomp. products	In combustion emits toxic fumes.
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11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact	There may be irritation and redness at the site of contact.
Eye contact	There may be irritation and redness. The eyes may water profusely.
Ingestion	There may be soreness and redness of the mouth and throat.
Inhalation	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Delayed / immediate effects	Immediate effects can be expected after short-term exposure.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity values	No data available.
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12.2. Persistence and degradability

Persistence and degradability	Biodegradable.
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12.3. Bioaccumulative potential

Bioaccumulative potential	No bioaccumulation potential.
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12.4. Mobility in soil

12.5. Results of PBT and vPvB assessments

PBT identification	This product is not identified as a PBT/vPvB substance.
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12.6. Other adverse effects

Other adverse effects	Negligible ecotoxicity.
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13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal operations	Transfer to a suitable container and arrange for collection by specialised disposal company
Recovery operations	Recycling/reclamation of metals and metal compounds.
Waste code number	08 04 10
Disposal of packaging	Dispose of as normal industrial waste.
NB	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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14. TRANSPORT INFORMATION

Transport class	This product does not require a classification for transport.
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15. REGULATORY INFORMATION

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

Specific regulations	Not applicable.
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15.2. Chemical Safety Assessment

Chemical safety assessment:	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.
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16. OTHER INFORMATION

Other information	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830. * indicates text in the SDS which has changed since the last revision.
Phrases used in s.2 and s.3	EUH205: Contains epoxy constituents. May produce an allergic reaction. H302: Harmful if swallowed. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation.
Legal disclaimer	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.