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Emergency: 800-255-3924
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SAFETY DATA SHEET
according to EC Directive 2001/58/EC

1. IDENTIFICATION OF THE PREPARATION

Identification of the preparation: 84109 PERMA POXY 4 MIN MULTI-METAL EPOXY PART 1 25 ML
Item No: PTX202005B
Recommended use: Epoxy resin

2. HAZARDS IDENTIFICATION

Classification: Xi - Irritant, N - Dangerous for the environment
Most Important Hazards: Irritating to eyes and skin. May cause allergic skin reaction.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	EC Number	EU Classification	Exposure limits
BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN 25068-38-6	50-70	500-033-5	Xi; R36/38 R43 N; R51-53	Not listed
ELASTOMER MODIFIED DIGLYCIDYL ETHER 68909-14-8	1-10	Not determined		Not listed
SILICA, QUARTZ 14808-60-7	<1	238-878-4		0.05 mg/m ³ (resp) TWA ACGIH
NEOPENTYL GLYCOL DIGLYCIDYL ETHER 17557-23-2	<5	241-536-7	R43 Xi;R38	Not listed

4. FIRST-AID MEASURES

General advice: If you feel unwell, seek medical advice (show the label where possible).
Inhalation: Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.
Skin Contact: Wash off with soap and water. If skin irritation persists, call a physician.
Eye Contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion: If swallowed, seek medical advice immediately and show this container or label.
Protection of first-aiders: Use personal protective equipment. Avoid contact with skin, eyes and clothing.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide (CO₂), dry chemical, foam
Extinguishing media which must not be used for safety reasons: None reasonably foreseeable.
Special instructions for protection and hygiene: Thermal decomposition can lead to release of irritating gases and vapours.

5. FIRE-FIGHTING MEASURES

Special protective equipment for firefighters: Use personal protective equipment. Avoid contact with eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: For additional information on processing see sections 7, 8 and 11 of this safety data sheet.
Environmental Precautions: Do not flush into surface water or sanitary sewer system..
Cleanup: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

7. HANDLING AND STORAGE

Handling precautions: Avoid breathing vapors or mists. Avoid contact with eyes Wash hands before breaks and immediately after handling the product.
Storage: Store in cool place. Keep away from heat and sources of ignition..

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Provide adequate ventilation .
Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.
Skin: Rubber or plastic gloves. Wash contaminated clothing before re-use.
Eyes: Safety glasses.
Hygiene Measures: When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black liquid
Odor: Epoxy
pH: Does not apply
Boiling point/range: No information available
Melting point: Not determined
Flash point: >95°C
Risk of explosion: Keep away from heat and sources of ignition.
Vapor pressure: Not determined
Density: >1
Solubility in water: Not determined.
Partition coefficient (n-octanol/water): Not determined
Vapor density: >1 (Air = 1)
Evaporation Rate: Not determined
VOC Content(%): 0

10. STABILITY/REACTIVITY

Stability: Stable under normal conditions.
Conditions to Avoid: Heat.
Materials to avoid: Strong oxidizing agents, Strong bases, Acids
Hazardous decomposition products: Carbon oxides, nitrogen oxides (NOx), aldehydes

11. TOXICOLOGICAL INFORMATION

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat
BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN 25068-38-6	50-70	11400 mg/kg	

11. TOXICOLOGICAL INFORMATION

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat
SILICA, QUARTZ 14808-60-7	<1	500 mg/kg	
NEOPENTYL GLYCOL DIGLYCIDYL ETHER 17557-23-2	<5	4500 mg/kg	

Local Effects

Skin Irritation:	May cause skin irritation and/or dermatitis. May cause allergic skin reaction.
Eye Irritation:	Irritating, but will not permanently injure eye tissue.
Inhalation:	May cause irritation of respiratory tract.
Ingestion:	Irritating to mouth, throat and stomach.
Sensitization:	May cause sensitization of susceptible persons by skin contact.
Chronic toxicity:	None reasonably foreseeable

Specific Effects

Carcinogenic effects:	None reasonably foreseeable.
Mutagenic effects:	None reasonably foreseeable.
Reproductive toxicity:	None reasonably foreseeable.
Target Organ Effects:	Eyes, Skin, Respiratory System

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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13. DISPOSAL CONSIDERATIONS

Waste from Residues:	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.
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14. TRANSPORT INFORMATION

IATA

Proper Shipping Name:	Not regulated
Hazard Class:	Not applicable
UN/ID No:	Not applicable

IMDG

Proper shipping name:	Not applicable
Hazard Class:	Not applicable
UN/ID No:	Not applicable
Marine Pollutant:	None

ADR/RID

Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s (bisphenol)
Hazard Class:	Class 9, PGIII
UN/ID No:	UN 3082
ADR/RID:	Limited Quantity; LQ7

15. REGULATORY INFORMATION

This product is classified in accordance with Annex VI to Directive 67/548/EEC

Contains bisphenol: may cause sensitization by skin contact. Contains epoxy constituents. See information supplied by the manufacturer.

Product Name: 84109 PERMA POXY 4 MIN MULTI-METAL EPOXY PART 1 25 ML

Item No: PTX202005B

Indication of Danger:

Xi - Irritant, N - Dangerous for the environment

R -phrase(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 -phrase(s):

S 2 - Keep out of the reach of children

S24/25 - Avoid contact with skin and eyes

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36/37 - Wear suitable protective clothing and gloves

S61 - Avoid release to the environment. Refer to special instructions/safety data sheets

16. OTHER INFORMATION

Risk Phrases mentioned in Section 2:

R38 - Irritating to skin.

R43 - May cause sensitization by skin contact.

R36/38 - Irritating to eyes and skin.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Prepared By: Denise Boyd, Health and Safety
Manager

Revision Date: May/05/2005

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Revision Number: 1

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SAFETY DATA SHEET
according to EC Directive 2001/58/EC

1. IDENTIFICATION OF THE PREPARATION

Identification of the preparation: 84109 PERMA POXY 4 MIN MULTI-METAL EPOXY PART 2 25ML
Item No: PTX203008B
Recommended use: Curing chemical

2. HAZARDS IDENTIFICATION

Classification: Xn - Harmful
Most Important Hazards: Harmful by inhalation. Danger of serious damage to health by prolonged exposure. May cause allergic skin reaction.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	EC Number	EU Classification	Exposure limits
MERCAPTAN AMINE BLEND MIXTURE	40-70	Not determined	Xn:R48/20 Xi:R43	Not listed
SILICA, QUARTZ 14808-60-7	<1	238-878-4		0.05 mg/m ³ (resp) TWA ACGIH

4. FIRST-AID MEASURES

General advice: If you feel unwell, seek medical advice (show the label where possible).
Inhalation: Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.
Skin Contact: Wash off with soap and water. If skin irritation persists, call a physician.
Eye Contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion: If swallowed, seek medical advice immediately and show this container or label.
Protection of first-aiders: Use personal protective equipment. Avoid contact with skin, eyes and clothing.
Notes to Physician: Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: water spray, Carbon dioxide (CO₂), dry chemical, foam
Extinguishing media which must not be used for safety reasons: None reasonably foreseeable.
Special instructions for protection and hygiene: Thermal decomposition can lead to release of irritating gases and vapours.
Special protective equipment for firefighters: Use personal protective equipment. Avoid contact with eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: For additional information on processing see sections 7, 8 and 11 of this safety data sheet.

Environmental Precautions: Do not flush into surface water or sanitary sewer system..

Cleanup: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

7. HANDLING AND STORAGE

Handling precautions: Avoid breathing vapors or mists. Avoid contact with the skin and the eyes. Wash hands before breaks and immediately after handling the product.

Storage: Store in cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Provide adequate ventilation .

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Skin: Rubber or plastic gloves. Wash contaminated clothing before re-use.

Eyes: Safety glasses.

Hygiene Measures: When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow liquid

Odor: Mercaptan

pH: 9.5 (5% slurry in water)

Boiling point/range: No information available

Melting point: Not determined

Flash point: >95°C

Risk of explosion: None reasonably foreseeable.

Vapor pressure: <1 mmHg @ 40°C

Density: 1.13

Solubility in water: Negligible

Partition coefficient (n-octanol/water): Not determined

Vapor density: Not determined

Evaporation Rate: Not determined

VOC Content(%): 0

10. STABILITY/REACTIVITY

Stability: Stable under normal conditions.

Conditions to Avoid: Heat.

Materials to avoid: Strong oxidizing agents, Amines

Hazardous decomposition products: Carbon oxides, nitrogen oxides (NOx), sulphur oxides, Amines, Ammonia

11. TOXICOLOGICAL INFORMATION

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat
SILICA, QUARTZ 14808-60-7	<1	500 mg/kg	

Local Effects

Skin Irritation: May cause skin irritation and/or dermatitis. May cause allergic skin reaction.

Eye Irritation: Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Product Name: 84109 PERMA POXY 4 MIN MULTI-METAL EPOXY PART 2 25ML

Item No: PTX203008B

Inhalation: Harmful by inhalation. Exposure to decomposition products may be a hazard to health.
Ingestion: Irritating to mouth, throat and stomach.
Sensitization: May cause sensitization of susceptible persons by skin contact.
Chronic toxicity: Danger of serious damage to health by prolonged exposure

Specific Effects

Carcinogenic effects: None reasonably foreseeable.
Mutagenic effects: None reasonably foreseeable.
Reproductive toxicity: None reasonably foreseeable.
Target Organ Effects: Eyes, Skin, Respiratory System, Gastrointestinal Tract

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available

13. DISPOSAL CONSIDERATIONS

Waste from Residues: According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

IATA

Proper Shipping Name: Not regulated
Hazard Class: Not applicable
UN/ID No: Not applicable

IMDG

Proper shipping name: Not applicable
Hazard Class: Not applicable
UN/ID No: Not applicable
Marine Pollutant: None

ADR/RID

Proper Shipping Name: Not regulated
Hazard Class: Not applicable
UN/ID No: None

15. REGULATORY INFORMATION

This product is classified in accordance with Annex VI to Directive 67/548/EEC

Contains Dimethylaminomethylphenol, Phenol: may cause sensitization by skin contact..

Indication of Danger:

Xn - Harmful, -dimethylaminomethylphenol, phenol

R -phrase(s):

R43 - May cause sensitization by skin contact
R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation

S -phrase(s):

S 2 - Keep out of the reach of children
S24/25 - Avoid contact with skin and eyes
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37 - Wear suitable protective clothing and gloves
S51 - Use only in well-ventilated areas

Product Name: 84109 PERMA POXY 4 MIN MULTI-METAL EPOXY PART 2 25ML

Item No: PTX203008B

16. OTHER INFORMATION

Risk Phrases mentioned in Section 2:

R43 - May cause sensitization by skin contact.

R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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