

DEPR2012 RESIN

Supplementary Precautionary Statements

P272	Contaminated work clothing should not be allowed out of the workplace.
P261	Avoid breathing vapour/spray.
P264	Wash contaminated skin thoroughly after handling.
P321	Specific treatment (see medical advice on this label).
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P332+313	If skin irritation occurs: Get medical advice/attention.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P337	If eye irritation persists:
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.

Supplemental label information

EUH205	Contains epoxy constituents. May produce an allergic reaction.
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2.3. Other hazards

None if used properly

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

BISPHENOL F-EPOXY RESIN	1-5%
CAS-No.: 9003-36-5	EC No.:
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xi;R36/38. N;R51/53.
EPOXY RESIN (Number average MW <= 700)	30-60%
CAS-No.: 25068-38-6	EC No.: 500-033-5
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	Classification (67/548/EEC) R43 Xi;R36/38 N;R51/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Move to fresh air in case of accidental inhalation of vapours If required, provide artificial respiration

Ingestion

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention Never give anything by mouth to an unconscious person

Skin contact

Wash the skin immediately with soap and water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Wash contaminated clothing before re-use

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists

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

General information

No further relevant information available

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

See section: Description of first aid measures

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media****Extinguishing media**

Carbon dioxide, Dry chemical, Foam

5.2. Special hazards arising from the substance or mixture**Hazardous combustion products**

Oxides of: Carbon. Aldehydes Acid vapors

Unusual Fire & Explosion Hazards

May decompose above 148 C; may polymerize above 260 C in which case closed containers may rupture or explode Fumes and vapor from thermal and chemical decomposition vary in composition and toxicity Do not breathe fumes

5.3. Advice for firefighters**Special Fire Fighting Procedures**

Material will not burn unless preheated.

Protective equipment for fire-fighters

Wear self-contained respiratory protective device

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

Eliminate all sources of ignition Maintain good ventilation

6.2. Environmental precautions

Do not allow to enter drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Take up with an inert absorbent Store in a closed waste container until disposal

6.4. Reference to other sections

See section 7 for information on safe handling. See advice in section 8

SECTION 7: HANDLING AND STORAGE**7.1. Precautions for safe handling**

Store in a cool, dry area Keep away from heat

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry area

7.3. Specific end use(s)

2 Part adhesive

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****8.2. Exposure controls****Respiratory equipment**

An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits

Hand protection

Neoprene gloves are recommended.

Skin protection

Neoprene or nitrile gloves recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance	Clear viscous liquid
Odour	Slight odour.
Solubility	Negligible
Initial boiling point and boiling range	> 260 C

Melting point (°C)

No information available.

Vapour density (air=1) >1**Vapour pressure** 0.03 mm Hg**Evaporation rate** <1 (butyl acetate = 1)**pH-Value, Conc. Solution** Neutral**Viscosity**

No information available.

Decomposition temperature (°C)

No information available.

Odour Threshold, Lower

Not determined.

Odour Threshold, Upper

Not determined.

Flash point 204 C PM Closed cup.**Auto Ignition Temperature (°C)**

Not determined.

Flammability Limit - Lower(%)

Not determined.

Flammability Limit - Upper(%)

Not determined.

Partition Coefficient**(N-Octanol/Water)**

Not determined.

Explosive properties

No information available.

Oxidising properties

Not determined.

9.2. Other information

No data available / Not applicable

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

Stable at normal conditions

10.2. Chemical stability

Stable under recommended storage conditions

10.3. Possibility of hazardous reactions**Hazardous Polymerisation**

Will not polymerise.

10.4. Conditions to avoid

Avoid heat.

10.5. Incompatible materials**Materials To Avoid**

Strong Lewis or mineral acids Strong Oxidising agents Strong mineral and organic bases (especially primary and secondary aliphatic amines)

10.6. Hazardous decomposition products

Oxides of: Carbon. Aldehydes Acid vapors

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Acute toxicity:****Acute Toxicity (Oral LD50)**

11.4 Rat

Measured in g/kg

Acute Toxicity (Dermal LD50)

> 20 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

Rat 4 hours
no deaths

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

No information available.

12.1. Toxicity

No Information available

12.2. Persistence and degradability

No further relevant information available

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

Not determined.

12.4. Mobility in soil

Mobility:

No further relevant information available

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Dispose of in accordance with local and national regulations

13.1. Waste treatment methods

Dispose of in accordance with local and national regulations

Waste Class

NH - Not a RCRA Hazardous Waste Material

SECTION 14: TRANSPORT INFORMATION

General

Not regulated.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Risk Phrases In Full

- 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.

Hazard Statements In Full

- H319 Causes serious eye irritation.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H411 Toxic to aquatic life with long lasting effects.

DEPR2012 HARDENER

P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P261	Avoid breathing vapour/spray.
P264	Wash contaminated skin thoroughly after handling.
P321	Specific treatment (see medical advice on this label).
P301+312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P330	Rinse mouth.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.

2.3. Other hazards

None if used properly

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

N(3-DIMERTHYLAMINOPROPYL)-1,3-PROPYLENEDIAMINE	1-5%
CAS-No.: 10563-29-8	EC No.: 234-148-4
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Skin Sens. 1 - H317	Classification (67/548/EEC) Xn;R21/22. C;R34. R43.
TERPHENYL	1-5%
CAS-No.: 26140-60-3	EC No.: 247-477-3
Classification (EC 1272/2008) Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) N;R50/53.
TRIETHYLENE GLYCOL DIMERCAPTAN	30-60%
CAS-No.: 14970-87-7	EC No.: 239-044-2
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H332	Classification (67/548/EEC) Xn;R20/22.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Move to fresh air in case of accidental inhalation of vapours If required, provide artificial respiration Get medical attention.

Ingestion

If swallowed, do not induce vomiting - seek medical advice Never give anything by mouth to an unconscious person

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes Contact physician if irritation persists.

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

General information

No further relevant information available

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

See section: Description of first aid measures

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Carbon dioxide, Dry chemical, Foam

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Oxides of: Carbon. Nitrogen. Ammonia or amines.

Unusual Fire & Explosion Hazards

Personnel in vicinity and downwind should be evacuated

5.3. Advice for firefighters

Special Fire Fighting Procedures

Water spray should be used to cool containers.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Maintain good ventilation

6.2. Environmental precautions

Do not allow to enter drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Take up with an inert absorbent Store in a closed waste container until disposal

6.4. Reference to other sections

See section 7 for information on safe handling. See advice in section 8

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Store in a cool, dry area Keep away from heat

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry area

7.3. Specific end use(s)

2 Part adhesive

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
TERPHENYL	WEL			0,5 ppm	4,8 mg/m3	

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Respiratory equipment

An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits

Hand protection

Neoprene gloves are recommended.

Eye protection

Wear approved safety goggles.

Skin protection

Neoprene or nitrile gloves recommended. Wash contaminated clothing before re-use

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Colourless to light yellow liquid
Colour	Light (or pale). Yellow.
Odour	Mercaptan
Solubility	Negligible
Initial boiling point and boiling range	
Not determined.	
Melting point (°C)	
No information available.	
Vapour density (air=1)	>1
Vapour pressure	
Not determined.	
Evaporation rate	
Not determined.	
pH-Value, Diluted Solution	9.5 5% solution or slurry in water
Viscosity	
No information available.	
Decomposition temperature (°C)	
No information available.	
Odour Threshold, Lower	
No information available.	
Odour Threshold, Upper	
No information available.	
Flash point	>90 C
Auto Ignition Temperature (°C)	
No information available.	
Flammability Limit - Lower(%)	
Not determined.	
Flammability Limit - Upper(%)	
Not determined.	
Partition Coefficient (N-Octanol/Water)	
Not determined.	
Explosive properties	
No information available.	
Oxidising properties	
Not determined.	

9.2. Other information

No data available / Not applicable

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No Information

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions**Hazardous Polymerisation**

Will not polymerise.

10.4. Conditions to avoid

Avoid heat.

10.5. Incompatible materials

Materials To Avoid

Strong oxidisers Amines. Peroxides Sodium/calcium hypochlorite

10.6. Hazardous decomposition products

Oxides of: Carbon. Nitrogen. Ammonia or amines.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Eye contact

May cause severe irritation to eyes.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

No information available.

12.1. Toxicity

No Information available

12.2. Persistence and degradability

No further relevant information available

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

Not determined.

12.4. Mobility in soil

Mobility:

No further relevant information available

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Dispose of in accordance with local and national regulations

13.1. Waste treatment methods

Dispose of in accordance with local and national regulations

Waste Class

NH - Not a RCRA Hazardous Waste Material

SECTION 14: TRANSPORT INFORMATION

General Not regulated.

Road Transport Notes Not regulated.

Rail Transport Notes Not regulated.

Sea Transport Notes Not regulated.

Air Transport Notes Not regulated.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards**Environmentally Hazardous Substance/Marine Pollutant**

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

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

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15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION**Risk Phrases In Full**

R34	Causes burns.
R20/22	Harmful by inhalation and if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H412	Harmful to aquatic life with long lasting effects.
H317	May cause an allergic skin reaction.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.