SAFETY DATA SHEET

SOLVENT FREE EPOXY PRIMER - CURING AGENT

Compilation date: 01/03/2019

Revision No: 2

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: SOLVENT FREE EPOXY PRIMER - CURING AGENT

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Company name: PALATINE PAINTS
55 SMALLBROOK LANE
LEIGH
LANCASHIRE
WN7 5PZ
Tel: 01942 884122
Email: safety@palatinepaints.co.uk

1.4. Emergency telephone number

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Repr. 2: H361f; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Skin Sens. 1A: H317; STOT SE 3: H335; Repr. 2: H361d; Aquatic Chronic 1: H410; -: EUH071

Most important adverse effects: Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Suspected of damaging fertility. Suspected of damaging the unborn child. Very toxic to aquatic life with long lasting effects. Corrosive to the respiratory tract.

2.2. Label elements

Label elements:

Hazard statements: H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.
H361f: Suspected of damaging fertility.
H361d: Suspected of damaging the unborn child.
H410: Very toxic to aquatic life with long lasting effects.
EUH071: Corrosive to the respiratory tract.

Hazard pictograms: GHS05: Corrosion
GHS07: Exclamation mark
GHS08: Health hazard
GHS09: Environmental

[cont...]

Signal words: Danger

Precautionary statements: P201: Obtain special instructions before use.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P281: Use personal protective equipment as required.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .

P310: Immediately call doctor.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

4-TERT-BUTYLPHENOL - REACH registered number(s): 01-2119489419-21

EINECS	CAS	PBT / WEL	CLP Classification	Percent
202-679-0	98-54-4	-	Repr. 2: H361f; Skin Irrit. 2: H315; Eye Dam. 1: H318	30-50%

TRIMETHYLEXANE-1,6-DIAMINE - REACH registered number(s): 01-2119560598-25

247-134-8	25620-58-0	-	Aquatic Acute 1: H400; Skin Corr. 1B: H314	10-30%

M-PHENYLENEBIS(METHYLAMINE) - REACH registered number(s): 01-2119480150-50-

1477-55-00	216-032-5	-	-	10-30%

4-NONYLPHENOL, BRANCHED

284-325-5	84852-15-3	-	Repr. 2: H361fd; Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	1-10%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Never give anything by mouth to an unconsious person. Wash out mouth with water. Do not induce vomiting. Transfer to hospital as soon as possible.

[cont...]

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Get medical attention immediately. Call a poison centre or Doctor. If unconscious, check for breathing and apply artificial respiration if necessary.

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

Skin contact: If absorbed through the skin, may cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties.

Eye contact: Corneal edema can cause the perception of "blue haze" or "fog" around lights, although this is a temporary effect and has no known residual effect. Product vapor can cause glaucopsia (corneal edema) when absorbed into the tissue of the eye from the atmosphere. Severe eye irritation.

Ingestion: There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: Harmful if inhaled and may cause delayed lung injury. May cause central nervous system effects, such as headache,nausea,dizziness,confusion or breathing difficulties. Severe cases of overexposure can result in respiratory failure. May cause nose,thorat and lung irration. Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system.

Delayed / immediate effects: Repeated and/or prolonged exposure to low concentrations of vaport and/or aerosols may cause: sore throat.

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

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. Alcohol resistant foam. Dry chemical powder. Dry sand or limestone.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Personnel in vicinity and downwind should be evacuated. In combustion emits toxic fumes. May generate ammonia gas. May generate toxic nitrogen oxide gases. Use of water may result in the formation of very toxic aqueous solutions. Do not allow run-off from fire fighting to enter drains or water courses. Incomplete combustion may form carbon monoxide. Ammonia gas may be liberated at high temperatures. In case of incomplete combustion an increased formation of oxides of nitrogen (NOx) is to be expected.

5.3. Advice for fire-fighters

Advice for fire-fighters: Avoid contact with skin. Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

[cont...]

Section 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. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid the formation or spread of mists in the air. Avoid direct contact with the substance. Suspected cancer causing nitrosamines could be formed. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Do not store near acids.

Suitable packaging: Do not store in reactive metal containers.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 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: Provide readily accessible eye wash stations and safety showers. Provide natural or explosive-proof ventilation adequate to ensure concentrations are kept below exposure limits.

Respiratory protection: In poorly ventilated areas use an approved organic vapour cartridge mask.

[cont...]

Hand protection: Protective gloves. Impermeable gloves. Neoprene gloves. PVC gloves. Butyl gloves. Nitrile gloves.

Eye protection: Chemical safety glasses. Ensure eye bath is to hand.

Skin protection: Long sleeve shirts and trousers without cuffs.

Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Amber

Odour: Ammoniacal

Viscosity: 100 mPa.s @ 25°C

Boiling point/range°C: >200

Flash point°C: >100

Relative density: 0.99(water = 1)

pH: Alkaline

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

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.

10.4. Conditions to avoid

10.5. Incompatible materials

Materials to avoid: Reactive metals (e.g. sodium, calcium, zinc etc) Oxidizing agents. Materials reactive with hydroxyl compounds. Sodium Hypochlorite. Organic Acids (i.e. acetic acid, citric acid etc) Strong mineral acids Product slowly corrodes copper, aluminium, zinc and galvanized surfaces. CAUTION ! N-Nitrosamines, many of which are known to be potent carcinogens, may be formed when the product comes in contact with nitrous acid, nitrites or atmospheres with high nitrous oxide concentrations. Nitrous acid and other nitrosating agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In case of fire hazardous decomposition products may be produced such as: Carbon Monoxide - Carbon Dioxide(CO^2)-Nitric Acid - Ammonia - Nitrogen Oxides(NOx)-Nitrogen Oxide can react with water vapors to form corrosive nitric acid. - Aldehydes. Nitrosamine.

[cont...]

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

4-NONYLPHENOL, BRANCHED

ORL	RAT	LD50	1300	mg/kg
SKN	RBT	LDLO	3160	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Reproductive toxicity	--	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: If absorbed through the skin, may cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties.

Eye contact: Corneal edema can cause the perception of "blue haze" or "fog" around lights, although this is a temporary effect and has no known residual effect. Product vapor can cause glaucopsia (corneal edema) when absorbed into the tissue of the eye from the atmosphere. Severe eye irritation.

Ingestion: There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: Harmful if inhaled and may cause delayed lung injury. May cause central nervous system effects, such as headache,nausea,dizziness,confusion or breathing difficulties. Severe cases of overexposure can result in respiratory failure. May cause nose,thorat and lung irration. Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system.

Delayed / immediate effects: Repeated and/or prolonged exposure to low concentrations of vaport and/or aerosols may cause: sore throat.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

[cont...]

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN2735

14.2. UN proper shipping name

Shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Benzene-1,3-dimethaneamine (MXDA), Trimethylhexane-1,6-diamine)

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: Yes **Marine pollutant:** Yes

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 2

Section 15: Regulatory information

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

Specific regulations: Not applicable.

[cont...]

15.2. Chemical Safety Assessment

Section 16: Other information

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: EUH071: Corrosive to the respiratory tract.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

H361d: Suspected of damaging the unborn child.

H361f: Suspected of damaging fertility.

H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child.

H410: Very toxic to aquatic life with long lasting effects.

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.