

Epoxy Primer Part A (PCSDS 01)

Product Ref: (DsC19-0913)
Issue No: 02-1019

1. SECTION 1: IDENTIFICATION

1.1. Product identifier

Product name: Epoxy Primer PART A

1.2. Relevant Identified Uses

Uses: PC1; Adhesives, Sealants

2. SECTION 2: HAZARDS

2.1. Classification

Under CHIP: R10; Xn: R20/21; Xi: R36/38; Sens.: R43; -: R52/53

2.2. Labels elements

Classification (EC 1272/2008)

Pictogram



Signal word: Danger.

Hazard statements:
H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

Under CHIP: Hazard symbols:

Harmful



Risk phrases:

R10: Flammable.
R20/21: Harmful by inhalation and in contact with skin.
R36/38: Irritating to eyes and skin.
R43: May cause sensitisation by skin contact.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

S36/37: Wear suitable protective clothing and gloves.
S23: Do not breathe vapour.
S38: In case of insufficient ventilation, wear suitable respiratory equipment.
S60: This material and its container must be disposed of as hazardous waste.

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Precautionary phrases: Restricted to professional users.
Contains epoxy constituents. See information supplied by the manufacturer.

2.3. Other hazards

Vapours may cause drowsiness and dizziness.

Contains xylene and reaction product Bisphenol A (epichlorohydrin) epoxy resin (number average molecular weight >700>1000).

PBT: This product is not identified as a PBT substance

3. SECTION 3: COMPOSITION INFORMATION

3.1. Mixtures

Contains: Mixture including the following substances presenting a health or environmental hazard within the meaning of the CHIP Regulations or which are assigned occupational Workplace Exposure Limits.

Hazardous Ingredients:

XYLENE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
215-535-7	1330-20-7	-: R10; Xn: R20/21; Xi: R38	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	10-30%

BISPHENOL A-(EPICHLORHYDRIN) [REACTION PRODUCT]

EINECS	CAS	CHIP Classification	CLP Classification	Percent
500-033-5	25068-38-6	Xi: R36/38; Sens.: R43; N: R51/53	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411	10-30%

1-METHOXY-2-PROPANOL

EINECS	CAS	CHIP Classification	CLP Classification	Percent
203-539-1	107-98-2	-: R10; -: R67 Substance with a Community workplace exposure limit.	Flam. Liq. 3: H226; STOT SE 3: H336	1-10%

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EINECS	CAS	CHIP Classification	CLP Classification	Percent
201-148-0	78-83-1	-: R10; Xi: R37/38; Xi: R41; -: R67	Flam. Liq. 3: H226; Acute Tox. 4: H302; STOT SE 3: H335; Skin Irrit. 2: H315; Eye Dam. 1: H318; STOT SE 3:	1-10%

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4. SECTION 4: FIRST AID MEASURES

4.1. first aid measures

Skin contact:	Remove contaminated clothing. Wash skin thoroughly with soap and warm water or use a proprietary skin cleanser based on polyethylene glycol. DO NOT use solvents or thinners. If a skin reaction occurs seek medical attention.
Eye contact:	Remove contact lenses. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.
Ingestion:	If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.
Inhalation:	Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.

4.2. Important Symptoms and effects, acute and delaye

Skin contact:	Irritating to skin, may cause sensitisation by skin contact repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis. Solvents may cause some of the above effects by absorption through the skin.
Eye contact:	Irritating to eyes Splashes to the eye may cause irritation and reversible local damage.
Ingestion:	Exposure to organic solvent vapours may result in adverse effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous system. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Inhalation:	Irritant to the respiratory system. Exposure to organic solvent vapours may result in adverse effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous system. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

4.3. Medical attention and special treatment needed

Immediate/Special treatment:	Show this safety data sheet to the doctor in attendance.
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5. SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

- Alcohol resistant foam
- Carbon dioxide
- Dry chemical powder
- Water spray/mist

UNSUITABLE EXTINGUISHING MEDIA

- High volume water jet.

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5.2. Special Hazards arising from product

Exposure hazards: Fire will produce dense black smoke containing vapours and other hazardous products of combustion. Exposure to decomposition products may be a hazard to health. Do not allow run-off from the firefighting to enter drains, watercourses or soil.

5.3. Advice for firefighters

Appropriate self-contained breathing apparatus will be required.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions

Keep away from sources of ignition.

6.2. Environmental precautions

If the product enters drains or sewers immediately contact the local water company: in the case of contamination of streams, rivers or lakes the relevant environment agency.

6.3. Containment and Cleaning Up

Clean-up procedures: Clean preferably with a detergent, avoid the use of solvents. Contain and cover spillages with wet non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth, place in suitable container to await disposal in accordance with the waste regulations.

7. SECTION 7: HANDLING AND STORAGE

7.1. Handling Precautions

Vapours are heavier than air and will spread along floors. They may form explosive mixtures with air. Use product only in areas where naked flames and other sources of ignition have been excluded.

Keep the container dry and closed at all possible times. Use non-sparking tools. Avoid skin and eye contact. Avoid inhalation of vapour or spray.

Smoking, eating and drinking should be prohibited in areas of use. Never use pressure to empty the container (it is not a pressure vessel).

The Manual Handling Operations Regulations may apply to the handling of packages of this product. Refer to the guide weight indicated on the package when carrying out assessments.

7.2. Safe Storage

Storage conditions: The storage and use of this product is subject to the DSEAR. The requirements are given in the HSE approved code of practice and guidance. Storage of dangerous substances: (up to 50 litres of liquids with a flashpoint below 32°C may be kept in a workroom provided they are kept in closed containers in a marked, fire resistant cupboard or bin. Larger quantities must be kept in a separate marked storeroom conforming to the structural requirements contained in the HSE guidance note Storage of Flammable Liquids in Containers. Keep container tightly closed and dry. Observe the label precautions.

Store between 5 and 25°C in a dry well ventilated place away from sources of heat and direct sunlight.

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Containers that are opened should be properly re-sealed and kept upright to prevent leakage. Store separately from strongly alkaline and strongly acidic materials.

Suitable packaging:

Always keep in containers made of the same material as the supply container.

8. SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

Workplace exposure limits

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	154 mg/m ³	231 mg/m ³	-	-

Respirable dust

Hazardous ingredients:

XYLENE

Workplace exposure limits

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	220 mg/m ³	441 mg/m ³	-	-

Respirable dust

1-METHOXY-2-PROPANOL

UK	375 mg/m ³	560 mg/m ³	-	-
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ISOBUTANOL

UK	154 mg/m ³	231 mg/m ³	-	-
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8.2. Exposure controls

Engineering measures:	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and general good extraction. Ensure hands are washed before eating, drinking and going to the toilet. Apply skin protection cream before handling. Immediately remove any contaminated clothing.
Respiratory protection:	Where possible air fed respiratory protective equipment should be worn when this product is sprayed. If this is not available then respirator to suit solvent vapours must be worn. This should be in addition to other measures taken to reduce exposure. E.g. in booth design, operation and process modifications. Non-essential and unprotected people should be excluded from the area if exposure is possible.
Hand protection:	When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product. The instructions and information provided by the glove supplier on use storage, maintenance and replacement must be followed barrier creams may help to protect exposed areas of skin, but are not substitutes for full physical protection. They should be applied once exposure has occurred.
Eye protection:	Eye protection designed to protect against liquid splashes should be worn.
Skin protection:	Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner. Regular skin inspection of users of this product is recommended.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Basic Properties

State:	Liquid
Colour:	Yellow
Odour:	Aromatic hydrocarbon
Solubility in water:	Insoluble
Kinematic viscosity:	13-15
Boiling point/range °C:	>100
Flash point °C:	>23 but <55
Flammability limits %:	lower: 1.0
Relative density:	1.4-1.6
Vapour pressure:	Heavier than air

10. SECTION 10: STABILITY AND REACTIVITY

10.1. Chemical Stability:

Stable under recommended handling & storage conditions (see section 7 'Handling and Storage')

10.2. Incompatible Materials

Materials to avoid:	Strong oxidising agents. Strong acids. Strong alkalis
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10.3. Hazardous Decomposition Products

In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, and oxides of nitrogen may be produced.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Toxicological Effects

Relevant effects for mixture:

Effect	Route	Basis
Acute toxicity (harmful)	INH DRM	Hazardous: calculated
Irritation	OPT DRM	Hazardous: calculated
Sensitisation	DRM	Hazardous: calculated

11.2. Symptoms / Routes of Exposure

Skin contact:	Irritating to skin. May cause sensitisation by skin contact repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non - allergic contact dermatitis. Solvents may cause some of the above effects by absorption through the skin.
Eye contact:	Irritating to eyes Splashes to the eye may cause irritation and reversible local damage.
Ingestion:	Exposure to organic solvent vapours may result in adverse effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous system. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Inhalation:	Irritant to the respiratory system. Exposure to organic solvent vapours may result in adverse effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous system. Symptoms' include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Eco toxicity values: Not applicable.

12.2. PBT and vPvB Assessment

PBT identification: This substance is not identified as a PBT substance.

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Wastes, including emptied containers, are controlled wastes & should be disposed of in accordance with regulations made under The Control of Pollution Act, The Environmental Protection Act & the Hazardous Waste Regulations. Advice should be obtained from the relevant waste authority on the classification of empty containers. Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

NB:

The classification of this product when disposed of as waste is H3B, H5 & 08 01 11 in the European Waste Catalogue. If this product is mixed with other wastes this code may no longer apply. If mixed with other wastes the appropriate code should be assigned. For further information contact your local waste authority.

14. SECTION 14: TRANSPORT INFORMATION**14.1. UN Number**

UN1263

14.2. UN Shipping Name

Paint

14.3. Transport Hazard Class(es)

Class 3

14.4. Packing Group

III

14.5. Environmental Hazards

Environmentally hazardous: No

Marine pollutant: No

15. SECTION 15: REGULATORY INFORMATION**15.1. Chemical Safety Assessment****Assessment:**

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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The information contained in this safety data sheet is provided in accordance with the requirements of CHIP Regulations. The product should not be used for purposes other than that shown in section 1 without first referring to the supplier & obtaining written handling instructions. As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet is based on the present knowledge & on current national legislation. It provides guidance on health, safety & environmental aspects of the product & should not be construed as any guarantee of technical performance or stability for particular applications.

Legal disclaimer:

This safety data sheet replaces all previous versions (refer to above date) & may contain significant new information affecting your risk assessment when using this product. The information contained in this safety data sheet is based on present knowledge & current legislation. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. The information provided relates only to the material specified for industrial use & does not apply if used in combination with other materials.

The data sheet gives Information to the best of our knowledge on the handling, storage & use of the product. It is not applicable to unusual or non-standard uses of the product where instructions or recommendations are not followed. It is the user's responsibility to be satisfied that the information provided is suitable & complete enough for this materials particular use.

For further information, contact Technical Services at Daventry, Northants. Telephone (01327) 704778.

This document is only a guide.

Langley Waterproofing Systems Ltd reserves the right to change the composition and fixing recommendations of products as a result of the evolution of knowledge and technology.