Bauder LiquiTOP Epoxy Primer PART A

safety data sheet

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Revision date: 19.09.2025 Supersedes: March 2022

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name	:	Bauder LiquiTOP Epoxy Primer PART A
Article Number	:	GB81008130

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

Use of the Substance/Mixture	:	Adhesive
Recommended restrictions on use	:	For industrial use only. For professional users only.

1.3 Details of the supplier of the safety data sheet

Supplier

Bauder Ltd
70 Landseer Road
Ipswich
Suffolk
IP3 0DH
Tel: +44 (0) 1473 257671
Email: info@bauder.co.uk

1.4 Emergency telephone number

NPIS (National Poisons Information Service): 0344 892 0111 (for medical professionals only).

For medical advice, members of the public should contact NHS 111

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Flammable liquids, Category 3	H226: Flammable liquid and vapour.

Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life and long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms :

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.

Precautionary statements :

Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.

Hazardous components which must be listed on the label:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]
Hydrocarbons C9, aromatics
butan-1-ol
xylenes

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

No information available

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]	25036-25-3 682-390-8	Eye Irrit. 2; H319 Skin Sens. 1; H317	>= 20 - < 30
Hydrocarbons C9, aromatics	64742-95-6 265-199-0 649-356-00-4 01-2119455851-35-0000	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) STOT SE 3; H335 (Respiratory system) Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 10 - < 20
trizinc bis(orthophosphate)	7779-90-0 231-944-3 030-011-00-6 01-2119485044-40-0000	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 10 - < 20
butan-1-ol	71-36-3 200-751-6 603-004-00-6 01-2119484630-38-0000	Flam. Liq. 3; H226 Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H336 (Central nervous system) STOT SE 3; H335 (Respiratory system)	>= 3 - < 10

2-butoxyethyl acetate	112-07-2 203-933-3 607-038-00-2 01-2119475112-47-0000	Acute Tox. 4; H302 Acute Tox. 4; H332 Acute Tox. 4; H312 Aquatic Chronic 3; H412	>= 2,5 - < 10
xylenes	1330-20-7	Flam. Liq. 3; H226	>= 1 - < 10
	215-535-7 601-022-00-9 01-2119488216-32-0000	Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Asp. Tox. 1; H304 2; H319 STOT SE 3; H335 STOT RE 2; H373	
zinc oxide	1314-13-2 215-222-5 030-013-00-7 01-2119463881-32-0000	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,25 - < 1

For explanation of abbreviations see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

No information available

4.2 Most important symptoms and effects, both acute and delayed

Risks : Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
May cause respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed

No information available

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

No information available

5.2 Special hazards arising from the substance or mixture

No information available

5.3. Advice for firefighters

No information available

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No information available

6.2 Environmental precautions

No information available

6.3 Methods and material for containment and cleaning up

No information available

6.4 Reference to other sections

No information available

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

No information available

7.2 Conditions for safe storage, including any incompatibilities

No information available

7.3 Specific end use(s)

No information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
butan-1-ol	71-36-3	STEL	50 ppm 154 mg/m3	GB EH40
	Further information: Can be absorbed through the skin. The assigned sub-stances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
2-butoxyethyl acetate	112-07-2	TWA	20 ppm 133 mg/m3	GB EH40

	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	50 ppm 332 mg/m3	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		TWA	20 ppm 133 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	50 ppm 333 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
xylenes	1330-20-7	TWA	50 ppm 221 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	100 ppm 442 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			

Derived No Effect Level (DNEL):

Substance name	End Use	Exposure routes	Potential health effects	Value
Hydrocarbons C9, aromatics	Workers	Dermal	Long-term systemic effects	25 mg/kg
	Workers	Dermal	Acute systemic effects	25 mg/kg
	Workers	Inhalation	Long-term systemic effects	150 mg/m3
	Workers	Inhalation	Acute systemic effects	150 mg/m3
trizinc bis(orthophosphate)	Workers	Inhalation	Systemic, long-term	5 mg/m3
	Workers	Eye contact	Local effects	
	Workers	Dermal	Systemic, long-term	83 mg/kg
butan-1-ol	Workers	Inhalation	Local, long-term	310 mg/m3
	Workers	Eye contact	Local effects	
2-butoxyethyl acetate	Workers	Dermal	Systemic, short-term	120 mg/kg
	General population	Dermal	Systemic, long-term	102 mg/kg
	General population	Oral	Systemic, long-term	8,6 mg/kg
	Workers	Inhalation	Local, short-term	333 mg/m3
	General population	Inhalation	Systemic, long-term	80 mg/m3

	Workers	Inhalation	Systemic, long-term	133 mg/m3
	General population	Oral	Systemic, short-term	36 mg/kg
	Workers	Dermal	Systemic, long-term	169 mg/kg
	General population	Dermal	Systemic, short-term	72 mg/kg
	General population	Inhalation	Local, short-term	200 mg/m3
	Workers	Eye contact	Local effects	
	General population	Eye contact	Local effects	
xylenes	Workers	Inhalation	Local, long-term	221 mg/m3
	Workers	Inhalation	Systemic, short-term	442 mg/m3
	Workers	Inhalation	Systemic, long-term	221 mg/m3
	Workers	Dermal	Systemic, long-term	212 mg/kg
	Workers	Inhalation	Local, short-term	442 mg/m3
	Workers	Eye contact	Local effects	
zinc oxide	Workers	Dermal	Systemic, long-term	83 mg/kg
	Workers	Inhalation	Local, long-term	0,5 mg/m3
	Workers	Eye contact	Local effects	
	Workers	Inhalation	Systemic, long-term	5 mg/m3

Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
trizinc bis(orthophosphate)	Soil	35,6 mg/kg
	Marine water	6,1 µg/l
	Marine sediment	56,5 mg/kg
	Sewage treatment plant	100 µg/l
	Fresh water	20,6 µg/l
	Fresh water sediment	117,8 mg/kg
butan-1-ol	Fresh water sediment	0,324 mg/kg
	Marine water	0,008 mg/l
	Fresh water	0,082 mg/l
	Soil	0,017 mg/kg
	Marine sediment	0,032 mg/kg
	Sewage treatment plant	2476 mg/l
2-butoxyethyl acetate	Soil	0,415 mg/kg
	Predator	60 mg/kg
	Marine water	0,03 mg/l
	Fresh water	0,304 mg/l
	Fresh water sediment	2,03 mg/kg
	Sewage treatment plant	90 mg/l
	Marine sediment	0,203 mg/kg
xylenes	Soil	2,31 mg/kg
	Marine sediment	12,46 mg/kg
	Fresh water sediment	12,46 mg/kg
	Sewage treatment plant	6,58 mg/l
	Fresh water	0,327 mg/l
	Marine water	0,327 mg/l
zinc oxide	Soil	35,6 mg/kg

	Sewage treatment plant	100 µg/l
	Fresh water	20,6 µg/l
	Marine water	6,1 µg/l
	Fresh water sediment	117,8 mg/kg
	Marine sediment	56,5 mg/kg

8.2 Exposure controls

No information available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information of basic physical and chemical properties

Appearance	:	Liquid
Colour	:	Beige
Odour	:	Characteristic
Flash point	:	34 °C
Density	:	1,6 g/cm³ (20 °C)

Viscosity
Viscosity, kinematic : > 20,5 mm2/s (40 °C)

9.2 Other information

Molecular weight	:	384,51 g/mol

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No information available

10.2 Chemical stability

No information available

10.3 Possibility of hazardous reactions

No information available

10.4 Conditions to avoid

No information available

10.5 Incompatible materials

No information available

10.6 Hazardous decomposition products

No information available

SECTION 11:TOXICOLOGICAL INFORMATION

11.1 Information of toxicological effects

Acute toxicity

Not classified due to lack of data.

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 20 mg/l Exposure time: 4 Hours Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method

Components:

butan-1-ol:

Acute inhalation toxicity	:	LC50 (Rat): 103 mg/l, 8000 ppm Exposure time: 4 Hours Test atmosphere: vapour

2-butoxyethyl acetate:

Acute oral toxicity	:	LD50 Oral (Rat): 1.600 mg/kg

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/eye irritation
Causes serious eye damage.

Respiratory or skin sensitisation

Skin sensitisation
May cause an allergic skin reaction.

Respiratory sensitisation
Not classified due to lack of data.

Germ cell mutagenicity
Not classified due to lack of data.

Carcinogenicity
Not classified due to lack of data.

Reproductive toxicity
Not classified due to lack of data.

STOT - single exposure
May cause respiratory irritation.

STOT - repeated exposure
Not classified due to lack of data.

Aspiration toxicity
Not classified due to lack of data.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Components:

butan-1-ol:

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 1.730 - 1.910 mg/l Exposure time: 96 Hours Test Type: static test

2-butoxyethyl acetate:

Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 37 mg/l Exposure time: 48 Hours Test Type: static test

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Components:

butan-1-ol:

Partition coefficient: n-octanol/water	:	log Pow: 0,88

2-butoxyethyl acetate:

Partition coefficient: n-octanol/water	:	log Pow: 1,57

xylenes:

Partition coefficient: n-octanol/water	:	log Pow: 2,77 - 3,15 GLP: no

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment	:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Endocrine disrupting potential	:	This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).

12.7 Other adverse effects

No information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

No information available

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADN	:	UN 1263
ADR	:	UN 1263
RID	:	UN 1263
IMDG	:	UN 1263

IATA	:	UN 1263 Not permitted for transport

14.2 UN proper shipping name

ADN	:	PAINT RELATED MATERIAL
ADR	:	PAINT RELATED MATERIAL
RID	:	PAINT RELATED MATERIAL
IMDG	:	PAINT RELATED MATERIAL
IATA	:	PAINT RELATED MATERIAL Not permitted for transport

14.3 Transport hazard class(es)

ADN	:	3
ADR	:	3
RID	:	3
IMDG	:	3
IATA (Cargo)	:	3
IATA_P (Passenger)	:	Not permitted for transport

14.4 Packing group

ADN

Packing group	:	III
Classification Code	:	F1
Hazard Identification Number	:	30
Labels	:	3

ADR

Packing group	:	III
Classification Code	:	F1
Hazard Identification Number	:	30
Labels	:	3

RID

Packing group	:	III
Classification Code	:	F1
Hazard Identification Number	:	33
Labels	:	3

IMDG

Packing group	:	III
Labels	:	3
EmS Code	:	F-E, S-E

IATA (Cargo)	:	Not permitted for transport
IATA_P (Passenger)	:	Not permitted for transport

14.5 Environmental hazards

ADN

Environmentally hazardous : no

ADR

Environmentally hazardous : no

RID

Environmentally hazardous : no

IMDG

Marine pollutant : no

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: REGULATORY INFORMATION

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

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Conditions of restriction for the following entries should be considered: Number on list 75, 3 butan-1-ol xylenes butan-1 ol xylenes
REACH - Candidate List of Substances of Very High Concern for Authorisation (SVHC, Article 59)	:	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	:	Not applicable

RoHS: 2011/65/EU, Restriction of Hazardous Substances	:	Not applicable
Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

P5c		FLAMMABLE LIQUIDS
E2		ENVIRONMENTAL HAZARDS
Volatile organic compounds	:	Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 29,4 %

The components of this product are reported in the following inventories:

15.2 Chemical safety assessment

No information available

SECTION 16: OTHER INFORMATION

Full text of H-Statements

H226	:	Flammable liquid and vapour.
H302	:	Harmful if swallowed.
H304	:	May be fatal if swallowed and enters airways.
H312	:	Harmful in contact with skin.
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H318	:	Causes serious eye damage.
H319	:	Causes serious eye irritation.
H332	:	Harmful if inhaled.
H335	:	May cause respiratory irritation.
H336	:	May cause drowsiness or dizziness.
H373	:	May cause damage to organs through prolonged or repeated exposure.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.
H411	:	Toxic to aquatic life with long lasting effects.
H412	:	Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Asp. Tox.	:	Aspiration hazard
Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Flam. Liq.	:	Flammable liquids
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation
STOT RE	:	Specific target organ toxicity - repeated exposure
STOT SE	:	Specific target organ toxicity - single exposure
2000/39/EC	:	Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits
2000/39/EC / TWA	:	Limit Value - eight hours
2000/39/EC / STEL	:	Short term exposure limit
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	:	Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN – Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic sub- stance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Classification of the mixture:		**Classification procedure:**
Flam. Liq. 3	H226	Based on product data or assessment
Skin Irrit. 2	H315	Calculation method

Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method
STOT SE 3	H335	Calculation method
Aquatic Chronic 2	H411	Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

GB / EN

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Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications, installation techniques and any applicable laws and regulations.