Bauder LiquiPRIME 2

safety data sheet

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

Revision date: 08.12.2025 Supersedes : 14.03.2022

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

1.1 Product identifier

Trade Name: Bauder LiquiPRIME 2

Article Number: GB81001020

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

Relevant identified uses Concrete Priming

Recommended restrictions Reserved for industrial and professional use.

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 according to Regulation (EC) No. 1272/2008 Flam. Liq. 2; H225 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335

2.2 Label elements

Hazard pictogram

GHS02

GHS07

Signal word	Danger
Hazardous component(s) to be indicated on label	methyl methacrylate , 1.4-Butandioldimethacrylate , ethyl methacrylate
H-statement(s)	H225: Highly flammable liquid and vapour. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H335: May cause respiratory irritation.
P-statement(s)	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P264: Wash thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P312: Call a POISON CENTER/doctor if you feel unwell. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P362+P364: Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

No Information available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

No information available.

3.2 Mixtures

Hazardous Ingredients

Ingredient	Numbers	Classification (EC) 1272/2008	Concentration
methyl methacrylate	CAS No.: 80-62-6 EC-No.: 201-297-1 Index-No.: 607-035-00-6 REACH No.: 01-2119452498-28-XXXX	Flam. Liq. 2; H225 STOT SE 3; H335 Skin Irrit. 2; H315 Skin Sens. 1; H317	55.0 - 60.0 % by weight
1.4-Butandioldimethacrylate	CAS No.: 2082-81-7 EC-No.: 218-218-1 REACH No.: 01-2119967415-30-XXXX	Skin Sens. 1; H317	1.0 - 5.0 % by weight
1,1`-(p-Tolylimino)dipropan-2-ol	CAS No.: 38668-48-3 EC-No.: 254-075-1 REACH No.: 01-2119980937-17-XXXX	Acute Tox. 2; H300 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	0.1 - 1.0 % by weight
ethyl methacrylate	CAS No.: 97-63-2 EC-No.: 202-597-5 Index-No.: 607-071-00-2 REACH No.: 01-2119490215-40-	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H335 Skin Irrit. 2; H315 Skin Sens. 1; H317	0.1 - 1.0 % by weight

	XXXY		

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice	Move out of dangerous area. Take off all contaminated clothing immediately. Do not leave the victim unattended. Show this safety data sheet to the doctor in attendance.
If inhaled	Move to fresh air. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
In case of skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation occurs, get medical advice/attention.
In case of eye contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed	Rinse mouth. Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention	Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Carbon dioxide (CO2), Foam, Water spray, Dry powder
Extinguishing media which must not be used for safety reasons	High volume water jet

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases	Violent polymerization may be caused by: Extremes of temperature and direct sunlight. Fire will produce dense black smoke containing hazardous combustion products (see heading 10). Exposure to decomposition products may be a hazard to health.

5.3. Advice for firefighters

Special protective equipment for fire-fighting	In the event of fire, wear self-contained breathing apparatus.
Additional information on firefighting	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation. Vapours are heavier than air and may spread along floors. Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated surface thoroughly. Treat recovered material as described in the section "Disposal considerations".

6.4 Reference to other sections

Reference to other sections	Disposal considerations See also section 13

6.5 Additional information

Other information	Treat recovered material as described in the section "Disposal considerations".

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling	Processing may lead to evolution of flammable volatiles. In case of insufficient ventilation, wear suitable respiratory equipment. Keep product and empty container away from heat and sources of ignition. Handle and open container with care. Avoid contact with skin and eyes.
Precautions	Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Observe label precautions.

7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements	Store in accordance with the particular national regulations. Keep in a cool, well- ventilated place. Keep in properly labelled containers. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
TRGS 510	3
Recommended storage temperature	Keep in a dry, cool place.

Advice on protection against fire and explosion	Take precautionary measures against static discharge. Vapours may form explosive mixture with air. Use water spray to cool unopened containers.

7.3 Specific end use(s)

No information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

methyl methacrylate

Ireland			
Long-term exposure value/ ppm	Short-term exposure value / ppm	Remarks	Source
50	100	IOELV, Sens.	Code of Practice for the Safety Health and Welfare at Work (2011)

Great Britain				
Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Short-term exposure value/ppm	Short-term exposure value / mg/m3	Source
50	208	100	416	EH40/2005 Workplace exposure limits (2011)

Europe			
Long-term exposure value/ ppm	Short-term exposure value / ppm	Issuing date	Source
50	100	2009/161	DIRECTIVE 2009/161/EU

DNEL	Target group	Exposure route	Exposure frequency	Source
210 mg/m³	Workers	Inhalation	Long term effects Local	Company data
210 mg/m³	Workers	Inhalation	Long term effects systemic	Company data
1,5 mg/cm²	Workers	Skin	Long term effects Local	Company data
13,67 mg/kg	Workers	Skin	Long term effects systemic	Company data
105 mg/m³	Consumers	Inhalation	Long term effects Local	Company data
74,3 mg/m³	Consumers	Inhalation	Long term effects, systemic	Company data
1,5 mg/cm²	Consumers	Skin	Long term effects Local	Company data
8,2 mg/kg	Consumers	Skin	Long term effects systemic	Company data
1,5 mg/cm²	Consumers	Skin	Short-term effects Local	Company data

PNEC	Exposure route	Source
0,94 mg/l	freshwater	Company data
0,094 mg/l	marine water	Company data
5,74 mg/kg	sediment	Company data
1,47 mg/kg	Soil	Company data

1.4-Butandioldimethacrylate

DNEL	Target group	Exposure route	Exposure frequency	Source
14,5 mg/m³	Workers	Inhalation	Long term effects systemic	Company data
4,2 mg/kg	Workers	dermal exposure	Long term effects systemic	Company data

1,1`-(p-Tolylimino)dipropan-2-ol

DNEL	Target group	Exposure route	Exposure frequency	Source
2 mg/m³	Workers	Inhalation	Long term effects	Company data
0,6 mg/kg	Workers	Skin	Long term effects	Company data

PNEC	Exposure route	Source
199,5 mg/l	Waste water treatment	Company data
0,0072 mg/kg	marine water	Company data
0,017 mg/l	freshwater	Company data

8.2 Exposure controls

Respiratory protection	Vapour during processing may be irritating to the respiratory tract and to the eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Remarks	Recommended Filter type: A1, A2 (in case of higher concentration) Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).
Hand protection	Protective gloves complying with EN 374.Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Unsuitable material	woven fabric, Leather gloves
Suitable material	Nitriles
Material thickness	0,38 mm
Break through time	<25 min
Eye protection	Tightly fitting safety goggles
Skin and body protection	Wear suitable protective equipment. Long sleeved clothing
General protective and hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Avoid contact with the skin and the eyes.
Engineering measures	Ensure adequate ventilation, especially in confined areas. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information of basic physical and chemical properties

Physical state	Liquid
Colour	Colourless
Odour	smell of Methylmethacrylate
Melting point [°C] / Freezing point [°C]	not determined
Boiling point [°C]	> 100 °C
Explosion limits [Vol-%]	The product itself has not been tested. methyl methacrylate
Lower limit	1,7 vol. %
Upper limit	12,5 vol. %
Flash point [°C]	10 °C
Ignition temperature [°C]	not determined
Ph	Not applicable.
Remarks	(non-aqueous)
Water solubility [g/l]	
Remarks	insoluble
Partition coefficient n-octanol /water (log P O/W)	not determined
Vapour pressure [kPa]	> 50 hPa
Density [g/cm³]	1,05 g/cm³
Temperature [°C]	20 °C
Vapour density	not determined

9.2 Other information

9.2.2 Other safety-related parameters

Evaporation rate [kg/(s m²)]	not determined
Explosive properties	In use, may form flammable/explosive vapour-air mixture.
Form	Liquid
Flow time [s]	40 sec
Temperature [°C]	20 °C
Measuring method	DIN cup 6 mm

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity	No decomposition if stored and applied as directed.

10.2 Chemical stability

Chemical stability	The product is stable under the usual processing conditions

10.3 Possibility of hazardous reactions

Hazardous reactions	The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is noticeably exceeded, the product may polymerize with heat evolution. Risk of receptacle bursting.

10.4 Conditions to avoid

Conditions to avoid	Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Materials to avoid: Reacts violently with peroxides. Reducing agents, Strong bases, Amines, Oxidizing agents

10.6 Hazardous decomposition products

No information available.

SECTION 11:TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Oral toxicity [mg/kg]
Hazardous ingredients

methyl methacrylate				
Value	Test criterion	Test species	Measuring method	Source
>5001 mg/kg	LD50	rat	OECD Test Guideline 401	Company data

1.4-Butandioldimethacrylate				
Value	Test criterion	Test species	Measuring method	Source
>5000 mg/kg	LD50	rat	OECD Test Guideline 401	Company data

1,1`-(p-Tolylimino)dipropan-2-ol				
Value	Test criterion	Test species	Measuring method	Source
26 mg/kg	LD50	rat	OECD Test Guideline 423	Company data

Dermal toxicity [mg/kg]
Hazardous ingredients

methyl methacrylate			
Value	Test criterion	Test species	Source
>5001 mg/kg	LD50	rabbit	Company data

1.4-Butandioldimethacrylate				
Value	Test criterion	Test species	Remarks	Source
>3000 mg/kg	LD50	rabbit	* 1)	Company data

* 1): The information is based on our own tests, on data from literature and information from protective glove producers or is based on data obtained from similar substances.

1,1`-(p-Tolylimino)dipropan-2-ol			
Value	Test criterion	Test species	Source
2001 mg/kg	LD50	rat	Company data

LC50 Inhalation 4h for vapours [mg/l]
Hazardous ingredients

methyl methacrylate			
Value	Test criterion	Test species	Source
29,8 mg/l	LC50	rat	Company data

Irritant effect on skin
Hazardous ingredients

methyl methacrylate		
Value	Test species	Source
irritating	rabbit	Company data

1.4-Butandioldimethacrylate	
Value	Source
No skin irritation	Company data

1,1`-(p-Tolylimino)dipropan-2-ol	
Value	Source
No skin irritation	Company data

Irritant effect on eyes
Hazardous ingredients

methyl methacrylate		
Value	Test species	Source
Irritant	rabbit	Company data

1.4-Butandioldimethacrylate	
Value	Source
No eye irritation	Company data

1,1`-(p-Tolylimino)dipropan-2-ol	
Value	Source
Irritant	Company data

Sensitization
Hazardous ingredients

methyl methacrylate		
Value	Test species	Source
Skin sensitization	mouse	Company data

1.4-Butandioldimethacrylate		
Value	Test species	Source
sensitizing	mouse	Company data

1,1`-(p-Tolylimino)dipropan-2-ol	
Value	Source
No sensitization responses were observed.	Company data

Mutagenicity
Hazardous ingredients

methyl methacrylate	
Value	Source
not mutagenic	Company data

1.4-Butandioldimethacrylate	
Value	Source
No known effect.	Company data

1,1`-(p-Tolylimino)dipropan-2-ol	
Value	Source
negative	Company data

Carcinogenic effects
Hazardous ingredients

methyl methacrylate		
Value	Test species	Source
not a carcinogen	rat, mouse	Company data

1.4-Butandioldimethacrylate	
Value	Source
No known effect.	Company data

Reproduction toxicity
Hazardous ingredients

methyl methacrylate	
Value	Source
not toxic to reproduction	Company data

1.4-Butandioldimethacrylate	
Value	Source
No known effect.	Company data

Specific target organ toxicity (single exposure) [mg/kg]
Hazardous ingredients

methyl methacrylate	
Value	Source
Causes respiratory tract irritation.	Company data

1.4-Butandioldimethacrylate	
Value	Source
No known effect.	Company data

Specific target organ toxicity (repeated exposure) [mg/kg]
Hazardous ingredients

methyl methacrylate	
Value	Source
No known effect.	Company data

1.4-Butandioldimethacrylate	
Value	Source
No known effect.	Company data

ATE (mix)

oral [mg/kg]	2600.00

11.2 Information about other hazards

Experience in practice	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Irritating to eyes, respiratory system and skin. Irritating to mucous membranes

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish [mg/l]
Hazardous ingredients

methyl methacrylate					
Value	Test criterion	Test species	Measuring method	Exposure duration [h]	Source
191 mg/l	LC50	Oncorhynchus mykiss (rain-bow trout)	OECD Test Guideline 203	96 h	Company data

1.4-Butandioldimethacrylate				
Value	Test criterion	Test species	Exposure duration [h]	Source
32,5 mg/l	LC50	Leuciscus idus (Golden orfe)	48 h	Company data

1,1`-(p-Tolylimino)dipropan-2-ol				
Value	Test criterion	Test species	Exposure duration [h]	Source
17 mg/l	LC50	Brachydanio rerio (zebra fish)	96 h	Company data

Toxicity to daphnia [mg/l]
Hazardous ingredients

methyl methacrylate					
Value	Test criterion	Test species	Exposure duration [h]	Measuring method	Source
69 mg/l	EC50	Daphnia magna (Water flea)	48 h	OECD Test Guideline 202	Company data

1.4-Butandioldimethacrylate				
Value	Test criterion	Test species	Exposure duration [h]	Source
7,51 mg/l	EC10	Daphnia magna (Water flea)	21 day(s)	Company data

1,1`-(p-Tolylimino)dipropan-2-ol				
Value	Test criterion	Test species	Exposure duration [h]	Source
28,8 mg/l	EC50	Daphnia magna (Water flea)	18 h	Company data

Toxicity to algae [mg/l]
Hazardous ingredients

methyl methacrylate					
Value	Test criterion	Test species	Exposure duration [h]	Measuring method	Source
>110 mg/l	EC50	Selenastrum capricornutum(green algae)	72 h	OECD Test Guideline 201	Company data

1.4-Butandioldimethacrylate				
Value	Test criterion	Test species	Exposure duration [h]	Source
9,79 mg/l	EC50	Desmodesmus subspicatus	72 h	Company data

1,1`-(p-Tolylimino)dipropan-2-ol				
Value	Test criterion	Test species	Exposure duration [h]	Source
245 mg/l	EC50	Desmodesmus subspicatus	27 h	Company data

NOEC (fish) [mg/l]
Hazardous ingredients

methyl methacrylate			
Value	Test species	Measuring method	Source
9,4 mg/l	Brachydanio rerio (zebra fish)	OECD Test Guideline 210	Company data

NOEC (daphnia) [mg/l]
Hazardous ingredients

methyl methacrylate			
Value	Test species	Measuring method	Source
37 mg/l	Daphnia magna (Water flea)	OECD Test Guideline 202	Company data

12.2 Persistence and degradability

Biodegradability
Hazardous ingredients

methyl methacrylate		
Value	Method of analysis	Source
Readily biodegradable.	OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F	Company data

1.4-Butandioldimethacrylate		
Value	Remarks	Source
Biodegradable. 84 %	Angabe des Herstellers	Company data

1,1`-(p-Tolylimino)dipropan-2-ol	
Value	Source
Poorly biodegradable.	Company data

12.3 Bioaccumulative potential

Bioaccumulation
Hazardous ingredients

methyl methacrylate	
Value	Source
Does not bioaccumulate.	Company data

1.4-Butandioldimethacrylate	
Value	Source
Does not bioaccumulate.	Company data

1,1`-(p-Tolylimino)dipropan-2-ol	
Value	Source
no data available	Company data

12.4 Mobility in soil

Distribution in the environment No data available

Mobility
Hazardous ingredients

methyl methacrylate	
Mobility	Source
Terrestrial Compartment Not relevant	Company data

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal considerations — According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions:

Waste Code — 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances

Uncleaned empty packaging — The return of packaging materials is regulated by the Interseroh system.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
1263	1263	1263

14.2 UN proper shipping name

Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
PAINT	PAINT	PAINT

14.3 Transport hazard class(es)

Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
3	3	3

14.4 Packing group

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
Packaging group	II	II	II
Labels	3 	3 	3 
Risk No.	33		
Category	2		
Factor	3		
Classification Code	F1		
SP 640	640D		
Tunnel restriction code	D/E		
EmS		F-E;_S-E	
Stowage category		B	
UN proper shipping name	UN 1263 PAINT	UN 1263 PAINT	UN 1263 Paint

14.5 Environmental hazards

No information available.

14.6 Special precautions for user

No information available.

14.7 Maritime transport in bulk according to IMO instruments

Transport in bulk according to Annex II of MARPOL and the IBC Code	Not relevant

SECTION 15: REGULATORY INFORMATION

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

Additional regulations	Additionally, observe any national regulations!
Classification in compliance with the Industrial Safety Regulation	highly flammable
GISCODE	RMA10
MAL-Code	4-5

15.2 Chemical safety assessment

No information available

SECTION 16: OTHER INFORMATION

Relevant H-phrases

H225: Highly flammable liquid and vapour.
H300: Fatal if swallowed.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H412: Harmful to aquatic life with long lasting effects.

Wording of the hazard classes

Flam. Liq.: Flammable liquid
STOT SE: Specific target organ toxicity - single exposure
Skin Irrit.: Skin irritation
Skin Sens.: Skin sensitization
Acute Tox.: Acute toxicity
Eye Irrit.: Serious eye irritation
Aquatic Chronic: Hazardous to the aquatic environment

Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification	Evaluation
Flam. Liq. 2; H225	Calculated
Skin Irrit. 2; H315	Calculated
Skin Sens. 1; H317	Calculated
STOT SE 3; H335	Calculated

Department issuing safety data sheet

Environmental Department

Recommended restrictions

Reserved for industrial and professional use.

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.

Bauder reserves the right to amend information and product specifications without prior notice. All reasonable care has been taken to ensure that all data is current at the time of print, however because Bauder pursues a policy of constant development we recommend ensuring that your copy of this information is current by contacting our Technical Department at technical@bauder.co.uk
Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications, installation techniques and any applicable laws and regulations.