

Bauder PMMA Cleaner

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 PMMA Cleaner

Article Number: GB81007010

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

Relevant Identified uses cleaning agent

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 Eye Irrit. 2; H319 STOT SE 3; H336

2.2 Label elements

Hazard pictogram



GHS02



GHS07

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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.

Signal word	Danger
Hazardous component(s) to be indicated on label	ethyl acetate
H-statement(s)	H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.
P-statement(s)	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P243: Take action to prevent static discharges. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Re-move contact lenses, if present and easy to do. Continue rinsing. P308+P311: IF exposed or concerned: Call a POISON CENTER/doctor. P403+P233: Store in a well-ventilated place. Keep container tightly closed.
Further information	EUH066: Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

No information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

Ingredient	Numbers	Classification (EC) 1272/2008	Concentration
ethyl acetate	CAS No.: 141-78-6 EC-No.: 205-500-4 Index-No.: 607-022-00-5 REACH No.: 01-2119475103-46-XXXX	*Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	>= 95.0 - 100.0 % by weight

3.1 Substances

No information available

3.2 Mixtures

No information available

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.
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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 Vapours may form explosive mixtures with air. Provide sufficient air exchange and/or exhaust in work rooms.
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 firefighting 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. Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind. 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.

* Great Britain				
Long-term exposure value/ ppm	Long-term exposure value/ mg/m ³	Short-term exposure value / ppm	Short-term exposure value / mg/m ³	Source
200	734	400	1468	EH40/2005 Workplace exposure limits (2011)

* Europe					
Long-term exposure value/ mg/m ³	Long-term exposure value/ ppm	Short-term exposure value / mg/m ³	Short-term exposure value / ppm	Issuing date	Source
734	200	1468	400	2017/164	DIRECTIVE 2009/161/EU

DNEL	Target group	Exposure route	Exposure frequency	Source
734 mg/m ³	Workers	Inhalation	Long term effects systemic	Company data
734 mg/m ³	Workers	Inhalation	Long term effects Local	Company data
1486 mg/m ³	Workers	Inhalation	Acute Local effects	Company data
1486 mg/m ³	Workers	Inhalation	Acute Local effects	Company data
63 mg/kg	Workers	dermal exposure	Long term effects systemic	Company data
367 mg/m ³	Consumers	Inhalation	Long term effects systemic	Company data
367 mg/kg	Consumers	Inhalation	Long term effects Local	Company data
734 mg/m ³	Consumers	Inhalation	Acute systemic	Company data
734 mg/m ³	Consumers	Inhalation	Acute systemic	Company data
37 mg/kg	Consumers	dermal exposure	Long term effects systemic	Company data
4,5 mg/kg	Consumers	Oral	Long term effects systemic	Company data

PNEC	Exposure route	Source
0,26 mg/l	fresh water	Company data
0,22 mg/l	Soil	Company data
0,34 mg/kg	sediment	Company data
650 mg/l	Waste water pretreatment	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: A2
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. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information of basic physical and chemical properties

Physical state	liquid
Colour	colourless
Odour	fruit-like
Odour threshold	50 ppm
Melting point [°C] / Freezing point [°C]	-84°C
Boiling point [°C]	77°C
Explosion limits [Vol-%]	
Lower limit	2,1Vol-%
Upper limit	11,5Vol-%
Flash point [°C]	-4°C
Ignition temperature [°C]	460°C
Viscosity, dynamic [kg/(m s)]	ca.0,44 mPa.s
Temperature [°C]	20°C
Water solubility [g/l]	61g/l
Temperature [°C]	20°C
Partition coefficient n-octanol /water (log P O/W)	0,60
Vapour pressure [kPa]	not determined
Temperature [°C]	100 hPa
Density [g/cm ³]	20 °C
Temperature [°C]	ca.0,90g/cm ³
Vapour density	20 °C
	not determined

9.2 Other information

9.2.2 Other safety-related parameters

Evaporation rate [kg/(s m ²)]	not determined
Explosive properties	In use, may form flammable/explosive vapour-air mixture.

Form	Liquid
Viscosity, dynamic [kg/(m s)]	ca.0,44 mPa.s
Temperature [°C]	20°C

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No information available

10.2 Chemical stability

No information available

10.3 Possibility of hazardous reactions

Hazardous reactions Risk of violent reaction.

10.4 Conditions to avoid

Conditions to avoid Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid Strong oxidizing agents, Strong acids and strong bases, Alkali metals

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]	5600 mg/kg
Test criterion	LD50
Test species	rat

Dermal toxicity [mg/kg]
Hazardous ingredients

ethyl acetate			
Value	Test criterion	Test species	Source
18000 mg/kg	LD50	rabbit	Company data

Inhalative toxicity [mg/l]	18000 mg/kg
Test criterion	LC50
Test species	Rat
Exposure duration [h]	8h

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

ethyl acetate				
Value	Test criterion	Test species	Exposure duration [h]	Source
56 mg/l	LC50	rat	4 h	Company data

Irritant effect on skin Test species	No skin irritation Rabbit
Irritant effect on eyes Test species	Mild eye irritant Rabbit
Sensitization Measuring method Test species	No sensitization responses were observed. OECD Test Guideline 406 guinea pig

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
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SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish [mg/l]	230 mg/l
Toxicity to daphnia [mg/l]	717 mg/l
Toxicity to algae [mg/l]	3300 mg/l
NOEC (fish) [mg/l]	No data available

*NOEC (daphnia) [mg/l]
Hazardous ingredients

*ethyl acetate			
Value	Test species	Exposure duration [h]	Source
2,4 mg/l	Daphnia magna (Water flea)	21 day(s)	Company data

*NOEC (algae) [mg/l]
Hazardous ingredients

*ethyl acetate			
Value	Test species	Measuring method	Source
> 101 mg/l	Desmodesmus subspicatus	OECD Test Guideline 201	Company data

12.2 Persistence and degradability

Biodegradability	100 %
Duration	28 day(s)
Remarks	Readily biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation
Hazardous ingredients

ethyl acetate	
Value	Source
Bioaccumulation slight	Company data

Distribution in the environment

No data available

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No information available

12.6 Endocrine disrupting properties

No information available

12.7 Other adverse effects

Further information on ecology

See also section 12.1

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

07 02 04* other organic solvents, washing liquids and mother liquors

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
1173	1173	1173



14.2 UN proper shipping name


Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
ETHYL ACETATE	ETHYLACETAT	Ethylacetat

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 - Flammable Liquid

			
Risk No.	33		
Category	2		
Factor	3		
Classification Code	F1		
Tunnel restriction code	D/E		
EmS		F-E;S-D	
Stowage category		B	
UN proper shipping name	UN 1173 ETHYL ACETATE	UN 1173 ETHYL ACETATE	UN 1173 Ethyl acetate

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 M-VM04

MAL-Code 3-1

15.2 Chemical safety assessment

No information available

SECTION 16: OTHER INFORMATION

Modifications since last version Modifications of the previous version are denoted with an asterisk (*).

Relevant H-phrases H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
EUH066: Repeated exposure may cause skin dryness or cracking.

Wording of the hazard classes

Flam. Liq.: Flammable liquid
Eye Irrit.: Serious eye irritation
STOT SE: Specific target organ toxicity - single exposure

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

Classification	Evaluation
Flam. Liq. 2; H225	Calculated
Eye Irrit. 2; H319	Calculated
STOT SE 3; H336	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.

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