

Glass edge laquer

Revision date: 05/06/2026

Product code: BO5007005

Page 1 of 12

1. Identification
Product identifier

Glass edge laquer

Recommended use of the chemical and restrictions on use
Use of the substance/mixture

Clear coating

Details of the supplier of the safety data sheet
Manufacturer

Company name:	BOHLE AG	
Street:	Dieselstr. 10	
Place:	D-42781 Haan	
Telephone:	+49 2129 5568-0	Telefax: +49 2129 5568-282
E-mail:	info@bohle.de	
Contact person:	Dr. Martin Schade	Telephone: +49 2129 5568-300
E-mail:	MSDS@bohle.de	
Internet:	www.bohle.com	
Responsible Department:	Chemie	

Supplier

Company name:	Bohle America, Inc.
Street:	10924 Granite Street, Suite 200
Place:	USA-NC 28273 Charlotte
E-mail (Contact person):	sales@bohle.com

Emergency phone number: Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

2. Hazard(s) identification
Classification of the chemical
Regulation (EC) No 1272/2008

Flam. Liq. 2; H225
 Eye Dam. 1; H318
 STOT SE 3; H336
 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

Label elements
Regulation (EC) No 1272/2008
Hazard components for labelling

isopropyl acetate
 Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha
 2-methylpropan-1-ol; iso-butanol
 butan-1-ol; n-butanol

Signal word: Danger

Pictograms:

Hazard statements

H225 Highly flammable liquid and vapor

Glass edge laquer

Revision date: 05/06/2026

Product code: BO5007005

Page 2 of 12

H318	Causes serious eye damage
H336	May cause drowsiness or dizziness
H412	Harmful to aquatic life with long lasting effects
EUH066	Repeated exposure may cause skin dryness or cracking.

Precautionary statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P243	Take precautionary measures against static discharge.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a poison center/doctor.
P370+P378	In case of fire: Use Carbon dioxide (CO ₂), Sand, Extinguishing powder to extinguish.

3. Composition/information on ingredients
Mixtures
Chemical characterization

One-pack performance coatings

Relevant ingredients

CAS No	Components			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
108-21-4	isopropyl acetate			<25 %
	203-561-1	607-024-00-6	01-2119537214-46	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha			<25 %
	265-151-9		01-2119473851-33	
	Flam. Liq. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H336 H304 H411			
123-86-4	n-butyl acetate			<10 %
	204-658-1	607-025-00-1	01-2119485493-29	
	Flam. Liq. 3, STOT SE 3; H226 H336 EUH066			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			<10 %
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
78-83-1	2-methylpropan-1-ol; iso-butanol			<10 %
	201-148-0	603-108-00-1	01-2119484609-23	
	Flam. Liq. 3, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, STOT SE 3; H226 H315 H318 H335 H336			
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether			<2,5 %
	203-539-1	603-064-00-3	01-2119457435-35	
	Flam. Liq. 3, STOT SE 3; H226 H336			
71-36-3	butan-1-ol; n-butanol			<2,5 %
	200-751-6	603-004-00-6		
	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, STOT SE 3; H226 H302 H315 H318 H335 H336			

Full text of H and EUH statements: see section 16.

Glass edge laquer

Revision date: 05/06/2026

Product code: BO5007005

Page 3 of 12

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Components	Quantity
		Specific Conc. Limits, M-factors and ATE	
108-21-4	203-561-1	isopropyl acetate	<25 %
		inhalation: LC50 = 50,6 mg/l (vapours); dermal: LD50 = > 17400 mg/kg; oral: LD50 = 6750 mg/kg	
67-63-0	200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	<10 %
		inhalation: LC50 = 30 mg/l (vapours); dermal: LD50 = 13400 mg/kg; oral: LD50 = 4570 mg/kg	
78-83-1	201-148-0	2-methylpropan-1-ol; iso-butanol	<10 %
		inhalation: LC50 = > 24 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2830 mg/kg	
107-98-2	203-539-1	1-methoxy-2-propanol; monopropylene glycol methyl ether	<2,5 %
		dermal: LD50 = 11000 mg/kg; oral: LD50 = > 5000 mg/kg	
71-36-3	200-751-6	butan-1-ol; n-butanol	<2,5 %
		oral: ATE = 500 mg/kg	

4. First-aid measures
Description of first aid measures
General information

Take off immediately all contaminated clothing.

After inhalation

Move to fresh air. Consult a physician after significant exposure. If victim is unconscious but breathing: Victim to lie down in the recovery position, cover and keep him warm. Call a physician immediately.

After contact with skin

Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

After contact with eyes

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

If eye irritation persists, consult a specialist.

After ingestion

Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Give sodium sulfate as laxative (1 tablespoon in 1 glass of water) with plenty of activated coal.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

No information available.

5. Fire-fighting measures
Extinguishing media
Suitable extinguishing media

alcohol-resistant foam, dry chemical, carbon dioxide (CO₂)

Unsuitable extinguishing media

high volume water jet

Specific hazards arising from the chemical

In use, may form flammable/explosive vapor-air mixture.

Fire may cause evolution of: Carbon monoxide, Carbon dioxide)

Special protective equipment and precautions for fire-fighters

In the event of fire, wear self-contained breathing apparatus. Standard procedure for chemical fires.

Revision date: 05/06/2026

Glass edge laquer
Product code: BO5007005

Page 4 of 12

Additional information

Use water spray to cool unopened containers.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures****General advice**

Use personal protective equipment. Keep people away from and upwind of spill/leak.
Ensure adequate ventilation.
Keep away from heat and sources of ignition.
Avoid contact with skin and eyes. Do not breathe vapour.

Environmental precautions

Do not flush into surface water or sanitary sewer system.
Due to danger of explosion, prevent leakage of vapors into cellars, flues and ditches.
Local authorities should be advised if significant spillages cannot be contained.

Methods and material for containment and cleaning up**Other information**

Provide adequate ventilation. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect in closed and suitable containers for disposal.

Reference to other sections

Safe handling: see section 7
Personal protection equipment (PPE): see section 8
Disposal: see section 13

7. Handling and storage**Precautions for safe handling****Advice on safe handling**

Provide adequate ventilation as well as local exhaustion at critical locations.
Provide room air exhaust at ground level.
Avoid formation of aerosol. Do not breathe vapour/aerosol.
Avoid contact with the skin and the eyes.

Advice on protection against fire and explosion

Take precautionary measures against static discharges. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Keep away from heat and sources of ignition. Do not smoke.

Advice on general occupational hygiene

Avoid contact with skin, eyes and clothing. Provide adequate ventilation. Take off all contaminated clothing immediately. Keep away from food, drink and animal feedingstuffs. When using do not eat or drink. Do not smoke. Wash hands before breaks and at the end of workday.

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep containers tightly closed in a cool, well-ventilated place.

Specific end use(s)

This information is not available.

8. Exposure controls/personal protection**Control parameters**

Glass edge laquer

Revision date: 05/06/2026

Product code: BO5007005

Page 5 of 12

Exposure limits

CAS No	Substance	ppm	mg/m ³	Category	Origin
64-17-5	Ethyl alcohol (Ethanol)	1000	1900	TWA (8 h)	PEL
64-17-5	Ethyl alcohol	1000	1900	TWA (8 h)	REL
78-83-1	Isobutyl alcohol	100	300	TWA (8 h)	PEL
		50	150	TWA (8 h)	REL
108-21-4	Isopropyl acetate	250	950	TWA (8 h)	PEL
67-63-0	Isopropyl alcohol	400	980	TWA (8 h)	PEL
		400	980	TWA (8 h)	REL
		500	1225	STEL (15 min)	REL
123-86-4	n-Butyl acetate	150	710	TWA (8 h)	REL
		200	950	STEL (15 min)	REL
71-36-3	n-Butyl alcohol	100	300	TWA (8 h)	PEL
		C 50	C 150	Ceiling	REL
123-86-4	n-Butyl-acetate	150	710	TWA (8 h)	PEL
107-98-2	Propylene glycol monomethyl ether	100	360	TWA (8 h)	REL
		150	540	STEL (15 min)	REL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			
Consumer DNEL, long-term		oral	systemic	26 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	319 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	888 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	89 mg/m ³
Worker DNEL, long-term		inhalation	systemic	500 mg/m ³

PNEC values

CAS No	Substance	Value
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	
Freshwater		140,9 mg/l
Freshwater (intermittent releases)		140,9 mg/l
Marine water		140,9 mg/l
Freshwater sediment		552 mg/kg
Marine sediment		552 mg/kg
Microorganisms in sewage treatment plants (STP)		2251 mg/l
Soil		28 mg/kg

Exposure controls
Appropriate engineering controls

Even in case of a full release, due to the small amount of substances present, it is not expected that exposure limits will be reached. However it is the duty of the user to verify this and follow given exposure limits at the workplace.

Glass edge laquer

Revision date: 05/06/2026

Product code: BO5007005

Page 6 of 12

Individual protection measures, such as personal protective equipment
Eye/face protection

safety glasses with side-shields conforming to EN166

Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.

 Glove material: Butyl caoutchouc (butyl rubber) $\geq 0,5\text{mm}$, NBR (Nitrile rubber) $\geq 0,35\text{mm}$

 Breakthrough time: ≥ 480 min.

Skin protection

impervious clothing

Respiratory protection

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

9. Physical and chemical properties
Information on basic physical and chemical properties

Physical state:	liquid
Color:	clear
Odor:	characteristic

Test method

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	78 °C
Lower explosion limits:	0,8 vol. %
Upper explosion limits:	19 vol. %
Flash point:	2 °C
Auto-ignition temperature:	200 °C
pH-Value (at 20 °C):	not applicable
Water solubility:	insoluble
Solubility in other solvents	
miscible with most organic solvents	
Vapor pressure:	1.100 hPa
(at 50 °C)	
Density (at 20 °C):	0,870 g/cm ³

DIN 51755

Other information
Information with regard to physical hazard classes
Explosive properties

In use, may form flammable/explosive vapour-air mixture.

Self-ignition temperature

not auto-flammable

Other safety characteristics

Solvent separation test:	<3%
Solvent content:	ca. 79%
Solid content:	21%
Viscosity / dynamic:	not determined
(at 20 °C)	
Flow time:	13 s
(at 20 °C)	

10. Stability and reactivity

Revision date: 05/06/2026

Glass edge laquer

Product code: BO5007005

Page 7 of 12

Reactivity

None under normal processing.

Chemical stability

No decomposition if used as directed.

Possibility of hazardous reactions

Vapours may form explosive mixture with air.

Conditions to avoid

Keep away from heat and sources of ignition.

Take precautionary measures against static discharge.

Incompatible materials

strong acids and oxidizing agents

Hazardous decomposition products

None known.

11. Toxicological information**Information on toxicological effects****Acute toxicity**

LD50/oral/rat = >2000mg/kg

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

Glass edge laquer

Revision date: 05/06/2026

Product code: BO5007005

Page 8 of 12

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
108-21-4	isopropyl acetate				
	oral	LD50 mg/kg 6750	Rat	GESTIS	
	dermal	LD50 mg/kg > 17400	Rabbit	GESTIS	
	inhalation (4 h) vapour	LC50 50,6 mg/l	Rat		
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50 mg/kg 4570	Rat		
	dermal	LD50 mg/kg 13400	Rabbit		
	inhalation (4 h) vapour	LC50 30 mg/l	Rat		
78-83-1	2-methylpropan-1-ol; iso-butanol				
	oral	LD50 mg/kg > 2830	Rat		
	dermal	LD50 mg/kg > 2000	Rat		
	inhalation (4 h) vapour	LC50 > 24 mg/l	Rat		
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether				
	oral	LD50 mg/kg > 5000	Rat	IUCLID	
	dermal	LD50 mg/kg 11000	Rabbit		
71-36-3	butan-1-ol; n-butanol				
	oral	ATE mg/kg 500			

Information on other hazards
Endocrine disrupting properties

This information is not available.

Other information

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

12. Ecological information
Ecotoxicity

Ecological injuries are not known or expected under normal use.

Glass edge laquer

Revision date: 05/06/2026

Product code: BO5007005

Page 9 of 12

CAS No	Components					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute fish toxicity	LC50 mg/l	9640	96 h	Pimephales promelas (fathead minnow)	
	Acute algae toxicity	ErC50 mg/l	>2000	72 h	Desmodesmus subspicatus	
78-83-1	2-methylpropan-1-ol; iso-butanol					
	Acute fish toxicity	LC50 mg/l	1430	96 h	Pimephales promelas	
	Acute algae toxicity	ErC50 mg/l	1250		Desmodesmus subspicatus	
	Acute crustacea toxicity	EC50 mg/l	1439	48 h	Daphnia magna	
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether					
	Acute fish toxicity	LC50 mg/l	4600 - 10000	96 h	Leuciscus idus	IUCLID
	Acute algae toxicity	ErC50 mg/l	> 1000	72 h	Selenastrum capricornutum	
	Acute crustacea toxicity	EC50 mg/l	> 500	48 h	Daphnia magna	IUCLID

Persistence and degradability

Readily biodegradable, according to appropriate OECD test.

Bioaccumulative potential
Partition coefficient n-octanol/water

CAS No	Components	Log Pow
108-21-4	isopropyl acetate	1,02
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	-0,16
78-83-1	2-methylpropan-1-ol; iso-butanol	0,79
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	-0,437

Mobility in soil

The product evaporates readily.

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Other adverse effects

This information is not available.

Further information

Do not let product enter drains.

13. Disposal considerations
Waste treatment methods
Disposal recommendations

In accordance with local and national regulations.

Glass edge laquer

Revision date: 05/06/2026

Product code: BO5007005

Page 10 of 12

List of Wastes Code - used product

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Non-contaminated packages may be recycled.
 Contaminated packages must be completely emptied and can be re-used following proper cleaning.
 Cleaning agent: n-Butyl acetate

14. Transport information

Land transport (ADR/RID)

UN number or ID number: UN 1263
UN proper shipping name: Paint
Transport hazard class(es): 3
Packing group: II
 Hazard label: 3



Classification Code: F1
 Special Provisions: 601
 Limited quantity: 5 L
 Excepted quantity: E2
 Transport category: 2
 Hazard No: 33
 Tunnel restriction code: D/E

Inland waterways transport (ADN)

UN number or ID number: UN 1263
UN proper shipping name: Paint
Transport hazard class(es): 3
Packing group: II
 Hazard label: 3



Classification Code: F1
 Special Provisions: 601
 Limited quantity: 5 L
 Excepted quantity: E2

Marine transport (IMDG)

UN number or ID number: UN 1263
UN proper shipping name: Paint
Transport hazard class(es): 3
Packing group: II
 Hazard label: 3

Glass edge laquer

Revision date: 05/06/2026

Product code: BO5007005

Page 11 of 12



Special Provisions: -
 Limited quantity: 5 L
 Excepted quantity: E2
 EmS: F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

UN number or ID number: UN 1263
UN proper shipping name: Paint
Transport hazard class(es): 3
Packing group: II
 Hazard label: 3



Special Provisions: A180
 Limited quantity Passenger: 1 L
 Passenger LQ: Y341
 Excepted quantity: E2
 IATA-packing instructions - Passenger: 353
 IATA-max. quantity - Passenger: 5 L
 IATA-packing instructions - Cargo: 364
 IATA-max. quantity - Cargo: 60 L

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

none

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

15. Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 29, Entry 40, Entry 75

Directive 2004/42/EC on VOC in
 paints and varnishes: 79%
 687g/l

Subcategory (EU-VOC): Special finishes - All types, VOC limit value: 840 g/l

National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water hazard class (D): 2 - obviously hazardous to water

Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

16. Other information

Changes

Glass edge laquer

Revision date: 05/06/2026

Product code: BO5007005

Page 12 of 12

This data sheet contains changes from the previous version in section(s): 14,15.

Abbreviations and acronyms

Flam. Liq. 2: Flammable liquids, category 2
Flam. Liq. 3: Flammable liquids, category 3
Acute Tox. 4: Acute toxicity, category 4
Asp. Tox. 1: Aspiration hazard, category 1
Skin Irrit. 2: Skin irritation, category 2
Eye Dam. 1: Serious eye damage, category 1
Eye Irrit. 2: Eye irritation, category 2
STOT SE 3: Specific target organ toxicity single exposure, category 3
Aquatic Chronic 2: Chronic aquatic hazard, category 2
Aquatic Chronic 3: Chronic aquatic hazard, category 3

Relevant H statements (full text)

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
EUH066	Repeated exposure may cause skin dryness or cracking.

Other data

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)