Safety Data Sheet

according to 29 CFR 1910.1200(g)

Bohle special glass cleaner

1. Identification

Product identifier

Bohle special glass cleaner

Further trade names

BO 5107910, 250 ml
BO 5107911, 1000 ml
BO 5107912, 28 l

Recommended use of the chemical and restrictions on use

Use of the substance/mixture

cleaning agent

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 / Portals Hardware
Street:	925 Lydia Ave
Place:	Kansas City, MO 64106 USA
Telephone:	+1 888 838 6006
E-mail:	support@portalshardware.com

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

2. Hazard(s) identification

Classification of the chemical

29 CFR Part 1910.1200

Flammable liquids: Category 2
Serious eye damage/eye irritation: Category 2A
Specific target organ toxicity single exposure: Category 3 (narcotic effects)

Label elements

29 CFR Part 1910.1200

Signal word: Danger

Pictograms:



Hazard statements

Highly flammable liquid and vapor
Causes serious eye irritation
May cause drowsiness or dizziness

Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep cool.
Wear protective gloves/protective clothing/eye protection/face protection.
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: Get medical advice/attention.

3. Composition/information on ingredients

Mixtures

Relevant ingredients

CAS No	Components	Quantity
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	100 %

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

water spray, 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.

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.

8. Exposure controls/personal protection

Control parameters

Exposure limits

CAS No	Substance	ppm	mg/m³		Category	Origin
67-63-0	Isopropyl alcohol	400	980		TWA (8 h)	PEL
		400	980		TWA (8 h)	REL
		500	1225		STEL (15 min)	REL

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.

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) >=0,5mm, NBR (Nitrile rubber) >=0,35mm
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:	alcoholic

		Test method
Melting point/freezing point:	-89,5 °C	
Boiling point or initial boiling point and boiling range:	82 °C	
Lower explosion limits:	2 vol. %	
Upper explosion limits:	12 vol. %	
Flash point:	12 °C	
Auto-ignition temperature:	425 °C	
pH-Value (at 20 °C):	7	
Viscosity / kinematic: (at 25 °C)	2,66 mm²/s	
Water solubility:	soluble	
Vapor pressure: (at 20 °C)	48 hPa	
Density (at 20 °C):	0,79 g/cm³	
Relative vapour density: (at 20 °C)	2	

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 content: 100,00 %

Viscosity / dynamic: 2,4 mPa·s

(at 20 °C)

10. Stability and reactivity

Reactivity

None under normal processing.

Chemical stability

Stability: Stable

No decomposition if used as directed.

Possibility of hazardous reactions

Hazardous reactions: May occur

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

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

Acute toxicity

CAS No	Components					
	Exposure route	Dose		Species	Source	Method
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		

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): Isopropyl alcohol (CAS 67-63-0) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

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

Persistence and degradability

Readily biodegradable, according to appropriate OECD test.

Mobility in soil

The product evaporates readily.

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

Water hazard class 1: slightly water endangering
Do not let product enter drains.

13. Disposal considerations

Waste treatment methods

Disposal recommendations

In accordance with local and national regulations.

Contaminated packaging

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

14. Transport information

U.S. DOT 49 CFR 172.101

UN number or ID number:	UN 1219
Proper shipping name:	Isopropyl alcohol
Transport hazard class(es):	3
Packing group:	II
Hazard label:	3



Marine transport (IMDG)

UN number or ID number:	UN 1219
UN proper shipping name:	ISOPROPANOL (ISOPROPYL ALCOHOL)
Transport hazard class(es):	3
Packing group:	II
Hazard label:	3



Special Provisions:	-
Limited quantity:	1 L
Excepted quantity:	E2
EmS:	F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

UN number or ID number:	UN 1219
UN proper shipping name:	Isopropanol
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

U.S. Regulations

National regulatory information

SARA Section 311/312 Hazards:

Isopropyl alcohol (mfg-strong acid process) (67-63-0): Fire hazard, Immediate (acute) health hazard

SARA Section 313 Toxic release inventory:

Isopropyl alcohol (mfg-strong acid process) (67-63-0): De minimis limit = 1.0 %, Reportable threshold = Standard

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information

Hazardous Materials Identification System (HMIS)

Health:	1
Flammability:	3
Physical Hazard:	0

NFPA Hazard Ratings

Health:	1
Flammability:	3
Reactivity:	0
Unique Hazard:	



Changes

Revision date: 05/06/2026

Revision No: 2,10

This data sheet contains changes from the previous version in section(s): 1,9,11,12.

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.)