

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier**
Trade name **PROMAT CHEMICALS BOHR-UND SCHNEIDÖLSCHAUM - 400 ml**
Unique formula identifier (UFI) **C690-A0P2-K00R-MG3D**
- Article number** 4000 354056
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Relevant identified uses General use
Lubricant
- 1.3 Details of the supplier of the safety data sheet**
NORDWEST Handel AG
Robert-Schuman-Straße 17
44263 Dortmund
Germany

Telephone: +49 (0)231 2222-3001
Telefax: +49 (0)231 2222-3099
e-mail: sdb@nordwest.com
Website: www.nordwest.com
e-mail (competent person) sdb@nordwest.com
- 1.4 Emergency telephone number**

Poison centre			
Country	Name	Postal code/city	Telephone
Austria	Vergiftungsinformationszentrale (VIZ)		+43 (0)1 406 43 43
Germany	Gemeinsamen Giftinformationszentrum (GGIZ) der Laender Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thuringen c/o HELIOS Klinikum Erfurt	99089 Erfurt	+49-361-730730
Switzerland	Tox Info Suisse		+145, 24h oder +41 44 251 51 51

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture**
Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.3	aerosols	1	Aerosol 1	H222,H229
3.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319

For full text of abbreviations: see SECTION 16.

- 2.2 Label elements**
Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word danger

Pictograms

GHS02, GHS07



Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/eye protection.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Identifier	Name of substance	Wt%	Classification acc. to GHS	Pictograms	Notes	Specific Conc. Limits
CAS No 115-10-6 EC No 204-065-8 Index No 603-019-00-8 REACH Reg. No 01-2119472128-37-xxxx	Dimethyl ether	10 – < 25	Flam. Gas 1A / H220 Press. Gas C / H280	 	GHS-HC IOELV U(b)	
CAS No 7664-38-2 EC No 231-633-2 Index No 015-011-00-6 REACH Reg. No 01-2119485924-24	orthophosphoric acid	1 – < 5	Skin Corr. 1B / H314 Eye Dam. 1 / H318		B GHS-HC IOELV	Skin Corr. 1B; H314: C $\geq 25\%$ Skin Irrit. 2; H315: 10% $\leq$ C < 25% Eye Dam. 1; H318: C $\geq 25\%$ Eye Irrit. 2; H319: 10% $\leq$ C < 25%
CAS No 111-46-6 EC No 203-872-2 Index No 603-140-00-6	2,2'-oxybisethanol	1 – < 5	Acute Tox. 4 / H302		GHS-HC	
CAS No 107-41-5 EC No 203-489-0 Index No 603-053-00-3 REACH Reg. No 01-2119539582-35-xxxx	2-methylpentane-2,4-diol	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319		GHS-HC	
CAS No 57635-48-0	Alkylpolyglykolether carbonsäure	1 – < 5	Skin Irrit. 2 / H315 Eye Dam. 1 / H318			

Notes

B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

GHS-HC: Harmonised classification (the classification of the substance corresponds to the entry in the list according to 1272/2008/EC, Annex VI)

IOELV: Substance with a community indicative occupational exposure limit value

U(b): The allocation to the group 'compressed gas' is based on the physical state in which the gas is packaged

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Hazardous ingredients, Specific Conc. Limits, M-factors, ATE				
Name of substance	Specific Conc. Limits	M-Factors	ATE	Exposure route
2,2'-oxybisethanol	-	-	500 mg/kg	oral
orthophosphoric acid	Skin Corr. 1B; H314: C ≥ 25 % Skin Irrit. 2; H315: 10 % ≤ C < 25 % Eye Dam. 1; H318: C ≥ 25 % Eye Irrit. 2; H319: 10 % ≤ C < 25 %	-	-	

Remarks

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures**4.1 Description of first aid measures****General notes**

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Water spray, BC-powder

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture**Hazardous combustion products**

Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up**Advice on how to contain a spill**

Covering of drains

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

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6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

Flammability hazards

Do not spray on an open flame or other ignition source. Protect from sunlight.

Control of effects

Protect against external exposure, such as

frost

Packaging compatibilities

Keep only in original container.

Storage class (LGK) TRGS 510

LGK 2 B (aerosol dispensers and lighters)

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
DE	hexylene glycol	107-41-5	MAK	10	49	20	98			va	DFG
DE	2,2'-oxydiethanol	111-46-6	AGW	10	44	40	176			va, Y	TRGS 900
DE	diethylene glycol	111-46-6	MAK	10	44	40	176			va	DFG
DE	dimethyl ether	115-10-6	AGW	1,000	1,900	8,000	15,200				TRGS 900
DE	orthophosphoric acid	7664-38-2	AGW		2		4			i, Y	TRGS 900
DE	phosphoric acid	7664-38-2	MAK		2		4			i	DFG
EU	dimethyl ether	115-10-6	IOELV	1,000	1,920						2000/39/EC
EU	orthophosphoric acid	7664-38-2	IOELV		1		2				2000/39/EC

Notation

Ceiling-C

i

STEL

TWA

va

Y

ceiling value is a limit value above which exposure should not occur

inhalable fraction

short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-

minute period (unless otherwise specified)

time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8

hours time-weighted average (unless otherwise specified)

as vapours and aerosols

a risk of developmental toxicity does not need to be expected if the occupational exposure limit value and the bio-

logical limit value (BGW) are adhered to

Relevant DNELs of components						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
orthophosphoric acid	7664-38-2	DNEL	2 mg/m ³	human, inhalatory	worker (industry)	acute - local effects
orthophosphoric acid	7664-38-2	DNEL	1 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
2-methylpentane-2,4-diol	107-41-5	DNEL	14 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
2-methylpentane-2,4-diol	107-41-5	DNEL	49 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
2-methylpentane-2,4-diol	107-41-5	DNEL	98 mg/m ³	human, inhalatory	worker (industry)	acute - local effects
2-methylpentane-2,4-diol	107-41-5	DNEL	2 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant PNECs of components						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
Dimethyl ether	115-10-6	PNEC	0.155 mg/l	aquatic organisms	freshwater	short-term (single instance)
Dimethyl ether	115-10-6	PNEC	1.549 mg/l	aquatic organisms	water	intermittent release
Dimethyl ether	115-10-6	PNEC	160 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Dimethyl ether	115-10-6	PNEC	0.681 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Dimethyl ether	115-10-6	PNEC	0.069 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Dimethyl ether	115-10-6	PNEC	0.045 mg/kg	terrestrial organisms	soil	short-term (single instance)
Dimethyl ether	115-10-6	PNEC	0.016 mg/l	aquatic organisms	marine water	short-term (single instance)
2-methylpentane-2,4-diol	107-41-5	PNEC	0.429 mg/l	aquatic organisms	freshwater	short-term (single instance)
2-methylpentane-2,4-diol	107-41-5	PNEC	0.043 mg/l	aquatic organisms	marine water	short-term (single instance)
2-methylpentane-2,4-diol	107-41-5	PNEC	20 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
2-methylpentane-2,4-diol	107-41-5	PNEC	1.79 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
2-methylpentane-2,4-diol	107-41-5	PNEC	0.179 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
2-methylpentane-2,4-diol	107-41-5	PNEC	0.11 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2

Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)



Personal protective equipment shall be used when the risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

Eye/face protection

Use protective eyewear to guard against splash of liquids.

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Skin protection

Hand protection

Wear protective gloves. (Splash protection)

Type of material

NR: natural rubber, latex, FKM: fluoro-elastomer

Breakthrough times of the glove material

>480 minutes (permeation: level 6)

Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Full face mask/half mask/quarter mask (EN 136/140).

Type: AX-P2 (gas filters and combined filters against low-boiling point organic compounds and particles, colour code: Brown/White).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	aerosol (spray aerosol)
Colour	light yellow
Odour	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	-24.9 °C at 1,013 hPa
Flammability	flammable aerosol in accordance with GHS criteria
Lower and upper explosion limit	3.3 vol% - 26.2 vol%
Flash point	-42 °C at 1,013 hPa
Auto-ignition temperature	226 °C
Decomposition temperature	not relevant
pH (value)	not determined
Kinematic viscosity	not relevant
Solubility(ies)	not determined

Partition coefficient

Partition coefficient n-octanol/water (log value) this information is not available

Vapour pressure 5,200 hPa at 20 °C

Density and/or relative density

Density 0.9513 g/ml (calculated value)

Relative vapour density information on this property is not available

9.2 Other information

Information with regard to physical hazard classes there is no additional information

Other safety characteristics

Temperature class (EU, acc. to ATEX) T3 (maximum permissible surface temperature on the equipment: 200°C)

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Do not spray on an open flame or other ignition source. Keep away from heat.

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Hints to prevent fire or explosion

Protect from sunlight.

10.5 Incompatible materials

Oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

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

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components			
Name of substance	CAS No	Exposure route	ATE
2,2'-oxybisethanol	111-46-6	oral	500 mg/kg

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment. Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK 1, slightly hazardous to water (Germany)

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

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12.7 Other adverse effects
Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Sewage disposal-relevant information
Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.
Waste treatment of containers/packagings
It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.
Relevant provisions relating to waste
List of wastes, (Recommendations)
Product residues
16 05 04* Gases in pressure containers (including halons) containing hazardous substances
Packagings
15 01 04 Metallic packaging
Remarks
Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number or ID number
ADR/RID/ADN UN 1950
IMDG-Code UN 1950
ICAO-TI UN 1950
14.2 UN proper shipping name
ADR/RID/ADN AEROSOLS
IMDG-Code AEROSOLS
ICAO-TI Aerosols, flammable
14.3 Transport hazard class(es)
ADR/RID/ADN 2 (2.1)
IMDG-Code 2.1
ICAO-TI 2.1
14.4 Packing group not assigned
14.5 Environmental hazards non-environmentally hazardous acc. to the dangerous goods regulations
14.6 Special precautions for user
Provisions for dangerous goods (ADR) should be complied within the premises.
14.7 Maritime transport in bulk according to IMO instruments
The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) Additional information

Classification code 5F
Danger label(s) 2.1



Special provisions (SP) 190, 327, 344, 625
Excepted quantities (EQ) E0
Limited quantities (LQ) 1 L
Transport category (TC) 2
Tunnel restriction code (TRC) D

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International Maritime Dangerous Goods Code (IMDG) Additional information

Marine pollutant -
Danger label(s) 2.1



Special provisions (SP) 63, 190, 277, 327, 344, 381, 959
Excepted quantities (EQ) E0
Limited quantities (LQ) 1 L
EmS F-D, S-U
Stowage category -

International Civil Aviation Organization (ICAO-IATA/DGR) Additional information

Danger label(s) 2.1



Special provisions (SP) A145, A167
Excepted quantities (EQ) E0
Limited quantities (LQ) 30 kg

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

none of the ingredients are listed

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

Water Framework Directive (WFD)

none of the ingredients are listed

Regulation on the marketing and use of explosives precursors

none of the ingredients are listed

Regulation on persistent organic pollutants (POP)

none of the ingredients are listed

National regulations (Germany)

Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)

Wassergefährdungsklasse, WGK (water hazard class) 1 slightly hazardous to water

Technical instructions on air quality control (Germany)

Number	Group of substances	Class	Conc.	Mass flow	Mass concentration	Notation
5.2.5	organic substances		≥ 25 wt%	0.5 kg/h	50 mg/m ³	3)

Notation

3) a total mass flow of 0.50 kg/h or a total mass concentration of 50 mg/m³, each of which to be indicated as total carbon, shall not be exceeded (except organic particulate matter)

National inventories

Country	Inventory	Status
EU	REACH Reg.	not all ingredients are listed

Legend

REACH Reg. REACH registered substances

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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SECTION 16: Other information**Indication of changes (revised safety data sheet)**

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
2.3	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.	yes
2.3	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0,1\%$.	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.	yes
3.2		Hazardous ingredients, Specific Conc. Limits, M-factors, ATE: change in the listing (table)	yes
3.2		Remarks: For full text of abbreviations: see SECTION 16.	yes
12.5	Results of PBT and vPvB assessment: According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.	Results of PBT and vPvB assessment: According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.	yes
12.6	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0,1\%$.	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.	yes

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations.
2000/39/EC.	Commission Directive establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC.
Acute Tox.	Acute toxicity.
ADN.	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways).
ADR.	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road).
ADR/RID/ADN.	Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN).
AGW.	Workplace exposure limit.
ATE.	Acute Toxicity Estimate.
CAS.	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).
Ceiling-C.	Ceiling value.
CLP.	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
DFG.	Deutsche Forschungsgemeinschaft MAK-und BAT-Werte-Liste, Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Wiley-VCH, Weinheim.
DGR.	Dangerous Goods Regulations (see IATA/DGR).
DNEL.	Derived No-Effect Level.
EC No.	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union).
ED.	Endocrine disruptor.
EINECS.	European Inventory of Existing Commercial Chemical Substances.
ELINCS.	European List of Notified Chemical Substances.
EmS.	Emergency Schedule.
Eye Dam.	Seriously damaging to the eye.
Eye Irrit.	Irritant to the eye.
Flam. Gas.	Flammable gas.
GHS.	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations.
IATA.	International Air Transport Association.
IATA/DGR.	Dangerous Goods Regulations (DGR) for the air transport (IATA).
ICAO.	International Civil Aviation Organization.
ICAO-TI.	Technical instructions for the safe transport of dangerous goods by air.
IMDG.	International Maritime Dangerous Goods Code.
IMDG-Code.	International Maritime Dangerous Goods Code.
Index No.	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008.
IOELV.	Indicative occupational exposure limit value.
LGK.	Lagerklasse (storage class according to TRGS 510, Germany).
NLP.	No-Longer Polymer.
PBT.	Persistent, Bioaccumulative and Toxic.
PNEC.	Predicted No-Effect Concentration.
Ppm.	Parts per million.
Press. Gas.	Gas under pressure.
REACH.	Registration, Evaluation, Authorisation and Restriction of Chemicals.
RID.	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail).
Skin Corr.	Corrosive to skin.
Skin Irrit.	Irritant to skin.
STEL.	Short-term exposure limit.
SVHC.	Substance of Very High Concern.
TRGS.	Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany).
TRGS 900.	Arbeitsplatzgrenzwerte (TRGS 900).
TWA.	Time-weighted average.
vPvB.	Very Persistent and very Bioaccumulative.

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

4000 354056 - PROMAT CHEMICALS BOHR-UND SCHNEIDÖLSCHAUM - 400 ml

Version number: GHS 8.0
Replaces version of: 2023-11-13 (GHS 7)

Revision: 2024-02-22

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

H220.	Extremely flammable gas.
H222.	Extremely flammable aerosol.
H229.	Pressurised container: May burst if heated.
H280.	Contains gas under pressure; may explode if heated.
H302.	Harmful if swallowed.
H314.	Causes severe skin burns and eye damage.
H315.	Causes skin irritation.
H318.	Causes serious eye damage.
H319.	Causes serious eye irritation.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.