

**Safety data sheet**  
*according to 1907/2006/EC, Article 31, as amended by UK  
REACH Regulation SI 2019/758*

Printing date 19.06.2024

Version number 1

Revision: 19.06.2024

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

**Trade name:** Sprays B402 (PACS500), B411 (PACS250), B412 (PACS050)

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

**Application of the substance / the preparation:** Optical lens cleaner

**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Bollé Safety  
Unit C83 - Barwell Business Park  
Leatherhead Road - Chessington  
Surrey - KT9 2NY - United Kingdom  
Tel. 00 44 (0)208 391 4700  
Fax: 00 44 (0)208 391 4733

**1.4 Emergency telephone number(s):**

NHS Direct: 111

National Poisons Information Service (NPIS): 0121 507 4123 (healthcare professionals only).  
Ireland - National Poisons Information Centre: 01 837 9964 or 01 809 2566 (healthcare professionals only).

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

This product is not classified as hazardous according to Regulation (EC) No 1272/2008.

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008:** Not applicable.

**Hazard pictograms:** Not applicable.

**Signal word:** Not applicable.

**Hazard statements:** Not applicable.

**Additional information:**

EUH208 Contains glutaral, a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one and 2-methyl-2 H -isothiazol-3-one (3:1). May produce an allergic reaction.

EUH210 Safety data sheet available on request.

**2.3 Other hazards****Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

**Description:** Mixture consisting of the following components.

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<b>Hazardous components:</b>		
CAS: 111-30-8 EINECS: 203-856-5 Index number: 605-022-00-X	glutaral  Acute Tox. 3, H301; Acute Tox. 2, H330; Resp. Sens. 1, H334; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Skin Sens. 1A, H317; STOT SE 3, H335, EUH071  Specific concentration limit: STOT SE 3; H335: C ≥ 0.5 %	<0.1%
CAS: 55965-84-9 Index number: 613-167-00-5	a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one and 2-methyl-2 H -isothiazol-3-one (3:1)  Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317, EUH071  Note: B  Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	≥0.00025-<0.0015%

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information:** Seek medical treatment.

**After inhalation:** Move patient to fresh air, if symptoms persist consult a doctor.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:**

Call for a doctor immediately.  
Never give anything by mouth to an unconscious person.

### 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

### 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

**Protective equipment:**

Wear fully protective suit.

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Wear self-contained respiratory protective device.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep unprotected persons away.

Use respiratory protective device against the effects of fumes/dust/aerosol.

**6.2 Environmental precautions** Do not allow product to reach sewage system or any water course.

### 6.3 Methods and material for containment and cleaning up

Dispose of the material collected according to official regulations.

Clean the affected area carefully; suitable cleaners are:

Detergent

Avoid the use of solvents

Contain and collect leaks with non-combustible absorbent materials, e.g. sand, soil, vermiculite, diatomaceous earth in waste disposal drums.

### 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Wash hands before breaks and at the end of work.

Immediately remove all soiled and contaminated clothing

**Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.

### 7.2 Conditions for safe storage, including any incompatibilities

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None.

**7.3 Specific end use(s):** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Ingredients with limit values that require monitoring at the workplace:**

**111-30-8 glutaral**

WEL	Short-term value: 0.2 mg/m <sup>3</sup> , 0.05 ppm Long-term value: 0.2 mg/m <sup>3</sup> , 0.05 ppm Sen
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**Additional information:** The lists valid during the making were used as basis.

### 8.2 Exposure controls

#### Individual protection measures, such as personal protective equipment

##### General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Immediately remove all soiled and contaminated clothing

Ensure good ventilation/exhaustion at the workplace.

Wash hands before breaks and at the end of work.

Do not eat, drink, smoke or sniff while working.

Ensure that washing facilities are available at the work place.

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**Respiratory protection:**

In case of brief exposure use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Hand protection**



Chemical resistant protective gloves (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture.

Select the glove material based on a consideration of the penetration times, rates of diffusion and the degradation.

**Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material:**

The exact break through time must be determined by the manufacturer of the protective gloves.

**Eye/face protection** Goggles recommended during refilling

**Body protection:** Protective work clothing.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

**Physical state**

Fluid

**Colour:**

Colourless.

**Odour:**

Odourless.

**Odour threshold:**

Not determined.

**Melting point/freezing point:**

Not determined.

**Boiling point or initial boiling point and boiling range**

Not determined.

**Flammability**

Not determined.

**Lower and upper explosion limit**

Not determined.

**Lower:**

Not determined.

**Upper:**

Not determined.

**Flash point:**

93-100 °C

**Auto-ignition temperature:**

Not determined.

**Decomposition temperature:**

Not determined.

**pH**

Not determined.

**VOC (EC):**

Not determined.

**Dynamic:**

Not determined.

**Solubility**

Soluble.

**Water:**

Not determined.

**Partition coefficient n-octanol/water (log value)**

Not determined.

**Vapour pressure:**

Not determined.

**Density and/or relative density**

Not determined.

**Density:**

Not determined.

**Relative density**

Not determined.

**Vapour density**

Not determined.

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## 9.2 Other information

**Appearance:**

**Form:**

**Explosive properties:**

**Solids content:**

**Softening point/range**

**Oxidising properties**

**Evaporation rate**

Liquid.

Product does not present an explosion hazard.

Not determined.

5.0 %

Not determined.

Not determined.

### Information with regard to physical hazard classes

**Explosives**

Not applicable.

**Flammable gases**

Not applicable.

**Aerosols**

Not applicable.

**Oxidising gases**

Not applicable.

**Gases under pressure**

Not applicable.

**Flammable liquids**

Not applicable.

**Flammable solids**

Not applicable.

**Self-reactive substances and mixtures**

Not applicable.

**Pyrophoric liquids**

Not applicable.

**Pyrophoric solids**

Not applicable.

**Self-heating substances and mixtures**

Not applicable.

**Substances and mixtures, which emit flammable gases in contact with water**

Not applicable.

**Oxidising liquids**

Not applicable.

**Oxidising solids**

Not applicable.

**Organic peroxides**

Not applicable.

**Corrosive to metals**

Not applicable.

**Desensitised explosives**

Not applicable.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

**Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

### 10.4 Conditions to avoid

Avoid high temperatures.

Do not freeze.

### 10.5 Incompatible materials

No further relevant information available.

### 10.6 Hazardous decomposition products

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide

Carbon dioxide

## SECTION 11: Toxicological information

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

**Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values:** No further relevant information available.

**Skin corrosion/irritation:** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation:** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.

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**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** Based on available data, the classification criteria are not met.

**Reproductive toxicity:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

## 11.2 Information on other hazards

### 11.2.1 Endocrine disrupting properties

None of the ingredients are listed.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.

### 12.2 Persistence and degradability

No further relevant information available.

### 12.3 Bioaccumulative potential

No further relevant information available.

### 12.4 Mobility in soil

No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

### 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

### 12.7 Other adverse effects

#### Additional environmental information:

##### General notes:

Water hazard class 1 (German Regulation) (Self-assessment): Slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Recommendation:

Do not discharge into drains or the environment.

Disposal must be made in accordance with official regulations.

Do not allow product to reach sewage system.

#### Uncleaned packaging:

#### Recommendation:

Container contents should be completely used and containers should be emptied prior to discard.

Disposal must be made in accordance with official regulations.

Packaging that may not be cleansed must be disposed of in the same manner as the product.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR, IMDG, IATA

Not applicable.

### 14.2 UN proper shipping name

ADR, IMDG, IATA

Not applicable.

### 14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Not applicable.

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<b>14.4 Packing group</b>	
ADR, IMDG, IATA	Not applicable.
<b>14.5 Environmental hazards</b>	Not applicable.
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.

### SECTION 15: Regulatory information

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

##### Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients are listed.

##### DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients are listed.

##### REGULATION (EU) 2019/1148

##### Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients are listed.

##### Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients are listed.

##### Regulation (EC) No 273/2004 on drug precursors

None of the ingredients are listed.

##### Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients are listed.

#### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### Relevant phrases

H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

**Date of previous version:** 26.06.2023

#### Abbreviations and acronyms:

WEL: Workplace Exposure Limits

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

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IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 2: Acute toxicity – Category 2

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2