

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 04.01.2023

Version number 2.1 (replaces version 2.0)

Revision: 04.01.2023

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

### 1.1 Product identifier

**Trade name:** FOLIATEC Sprühfolien Versiegler

**Article number:** 2106, 2107, 2108

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

**Sector of Use SU21** Consumer uses: Private households / general public / consumers

**Application of the substance / the mixture** Paint

### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

FOLIATEC Böhm GmbH & Co. Vertriebs KG

Neumeyerstraße 70

D-90411 Nürnberg

**Further information obtainable from:**

Abteilung Produkttechnik

techsupport@foliatec.de

### 1.4 Emergency telephone number:

+49 - 91 19 75 44 - 0

(Montag bis Freitag, 08:00 - 17:00 Uhr)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

GHS label elements

The product is classified and labelled according to the GB CLP regulation.

**Hazard pictograms**



GHS02 GHS07

**Signal word** Danger

**Hazard-determining components of labelling:**

propan-2-ol

butanone

Solvent naphtha (petroleum), light arom.

**Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

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**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.*  
 P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*  
 P405 *Store locked up.*  
 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.*

**Additional information:**
*Buildup of explosive mixtures possible without sufficient ventilation.*
**2.3 Other hazards**
**Results of PBT and vPvB assessment** *Not applicable.*
**PBT:** *Not applicable.*
**vPvB:** *Not applicable.*

### SECTION 3: Composition/information on ingredients

**3.2 Mixtures**
**Description:**
*Mixture of substances listed below with nonhazardous additions.*
*Active substance with propellant*
**Dangerous components:**

CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	25-75%
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43	butanone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	25-75%
CAS: 115-10-6 EINECS: 204-065-8	dimethyl ether Flam. Gas 1A, H220; Press. Gas (Comp.), H280	25-75%
CAS: 108-65-6 EINECS: 203-603-9	2-Methoxy-1-methylethylacetat Flam. Liq. 3, H226	≥0-<15%
CAS: 122-51-0 EINECS: 204-550-4	Triethylorthoformiat Flam. Liq. 3, H226	<3%
CAS: 7397-62-8 EINECS: 230-991-7	butyl glycollate Repr. 2, H361; Eye Dam. 1, H318	≥1-<3%
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	≥0.25-<2.5%
CAS: 78-83-1 EINECS: 201-148-0	Isobutanol Flam. Liq. 3, H226; Acute Tox. 3, H331; Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335-H336	≥0-<1%

**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**
**After inhalation:** *Supply fresh air; consult doctor in case of complaints.*

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**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:**

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

**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:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

### **5.3 Advice for firefighters**

**Protective equipment:** Wear self-contained respiratory protective device.

## **SECTION 6: Accidental release measures**

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

Wear protective equipment. Keep unprotected persons away.

**6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

**6.3 Methods and material for containment and cleaning up:**

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

No special measures required.

### **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** Ensure good ventilation/exhaustion at the workplace.

**Information about fire - and explosion protection:**

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

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

**Storage:**

**Requirements to be met by storerooms and receptacles:**

Observe official regulations on storing packagings with pressurised containers.

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

**Further information about storage conditions:** Keep container tightly sealed.

**Storage class:** 2 B

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

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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

#### 78-93-3 butanone

WEL	Short-term value: 899 mg/m <sup>3</sup> , 300 ppm Long-term value: 600 mg/m <sup>3</sup> , 200 ppm Sk, BMGV
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#### 115-10-6 dimethyl ether

WEL	Short-term value: 958 mg/m <sup>3</sup> , 500 ppm Long-term value: 766 mg/m <sup>3</sup> , 400 ppm
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**Ingredients with biological limit values:**

#### 78-93-3 butanone

BMGV	70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one
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**Additional information:** The lists valid during the making were used as basis.

### 8.2 Exposure controls

**Appropriate engineering controls** No further data; see item 7.

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

**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

**Respiratory protection:** Not required.

#### Hand protection

Protective gloves

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.

Selection of the glove material on 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 has to be found out by the manufacturer of the protective gloves and has to be observed.

**For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

Butyl rubber, BR

Nitrile rubber, NBR

**For the permanent contact gloves made of the following materials are suitable:** Butyl rubber, BR

**For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

Chloroprene rubber, CR

#### Eye/face protection

Safety glasses

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Tightly sealed goggles

**SECTION 9: Physical and chemical properties**

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

**General Information**

Physical state

Aerosol

Colour:

According to product specification

Odour:

Mild

Boiling point or initial boiling point and boiling range

-24.8 °C (115-10-6 dimethyl ether)

Not applicable, as aerosol.

Lower and upper explosion limit

Lower:

1.1 Vol %

Upper:

10.9 Vol %

Flash point:

-42 °C (115-10-6 dimethyl ether)

Ignition temperature:

226 °C (115-10-6 dimethyl ether)

pH

Mixture is non-polar/aprotic.

Solubility

water:

Not miscible or difficult to mix.

Vapour pressure at 20 °C:

8,300 hPa

Density and/or relative density

Density at 20 °C:

0.81 g/cm<sup>3</sup>

**9.2 Other information**

No further relevant information available.

Appearance:

Form:

Aerosol

Important information on protection of health and environment, and on safety.

Explosive properties:

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Solvent separation test:

Organic solvents:

≥87.2-&lt;88.5 %

VOC (EC)

≥708.4-&lt;718.9 g/l

**Information with regard to physical hazard classes**

Explosives

Void

Flammable gases

Void

Aerosols

Extremely flammable aerosol. Pressurised container:  
May burst if heated.

Oxidising gases

Void

Gases under pressure

Void

Flammable liquids

Void

Flammable solids

Void

Self-reactive substances and mixtures

Void

Pyrophoric liquids

Void

Pyrophoric solids

Void

Self-heating substances and mixtures

Void

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

Void

Oxidising liquids

Void

Oxidising solids

Void

Organic peroxides

Void

Corrosive to metals

Void

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Desensitised explosives

Void

**SECTION 10: Stability and reactivity****10.1 Reactivity** No further relevant information available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid** No further relevant information available.**10.5 Incompatible materials:** No further relevant information available.**10.6 Hazardous decomposition products:** No dangerous decomposition products known.**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 relevant for classification:****67-63-0 propan-2-ol**

Oral	LD50	4,570 mg/kg (rat)
Dermal	LD50	13,400 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (rat)

**Serious eye damage/irritation** Causes serious eye irritation.**STOT-single exposure** May cause drowsiness or dizziness.**11.2 Information on other hazards****Endocrine disrupting properties**

98-54-4 4-tert-butylphenol

List I, II

**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** Not applicable.**12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.**12.7 Other adverse effects** No further relevant information available.**Additional ecological 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**

Smaller quantities can be disposed of with household waste.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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**Uncleaned packaging:****Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information**

**14.1 UN number or ID number**  
**ADR, IMDG, IATA**

UN1950

**14.2 UN proper shipping name**  
**ADR**  
**IMDG**  
**IATA**

UN1950 AEROSOLS  
AEROSOLS  
AEROSOLS, flammable

**14.3 Transport hazard class(es)**  
**ADR**



**Class** 2 5F Gases.  
**Label** 2.1

**IMDG, IATA**

**Class** 2.1 Gases.  
**Label** 2.1

**14.4 Packing group**  
**ADR, IMDG, IATA**

Void

**14.5 Environmental hazards:**

Not applicable.

**14.6 Special precautions for user**  
**Hazard identification number (Kemler code):**  
**EMS Number:**  
**Stowage Code**

Warning: Gases.  
-  
F-D,S-U  
SW1 Protected from sources of heat.  
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.  
SG69 For AEROSOLS with a maximum capacity of 1 litre:  
Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.  
For AEROSOLS with a capacity above 1 litre:  
Segregation as for the appropriate subdivision of class 2.  
For WASTE AEROSOLS:  
Segregation as for the appropriate subdivision of class 2.

**Segregation Code**

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

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**Transport/Additional information:****ADR****Limited quantities (LQ)**

1L

**Excepted quantities (EQ)**

Code: E0

Not permitted as Excepted Quantity

**Transport category**

2

**Tunnel restriction code**

D

**IMDG****Limited quantities (LQ)**

1L

**Excepted quantities (EQ)**

Code: E0

Not permitted as Excepted Quantity

**UN "Model Regulation":**

UN 1950 AEROSOLS, 2.1

**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 is listed.**Seveso category P3a** FLAMMABLE AEROSOLS**Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t**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**

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

**Department issuing SDS:** Abteilung Produkttechnik**Contact:** Hr. Fuhrmann**Abbreviations and acronyms:**

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

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)

VOC: Volatile Organic Compounds (USA, EU)

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*LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Flam. Gas 1A: Flammable gases – Category 1A**Aerosol 1: Aerosols – Category 1**Press. Gas (Comp.): Gases under pressure – Compressed gas**Flam. Liq. 2: Flammable liquids – Category 2**Flam. Liq. 3: Flammable liquids – Category 3**Acute Tox. 3: Acute toxicity – Category 3**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**Repr. 2: Reproductive toxicity – Category 2**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**Asp. Tox. 1: Aspiration hazard – Category 1**Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2***\* Data compared to the previous version altered.**

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