

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

Printing date 04.03.2019

Version number 1

Revision: 04.03.2019

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

- **1.1 Product identifier**
 - **Trade name: Sprühkleber Poly**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

 - **Application of the substance / the mixture** Adhesives
- **1.3 Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**

Fermit GmbH
Zur Heide 4,
D- 53560 Vettelschoß
www.fermit.de
 - **Informing department:**

Tel.: +49 (0) 2645-2207
Fax: +49 (0) 2645-3113
Email: info@fermit.de
- **1.4 Emergency telephone number:** Tel.: +49 (0) 2645-2207

SECTION 2: Hazards identification

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



GHS02 flame

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



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

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 CLP regulation.

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Hazard pictograms


GHS02 GHS07 GHS08 GHS09

Signal word Danger

Hazard-determining components of labelling:

Naphtha (petroleum), hydrotreated light
pentane
acetone

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
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.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
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

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of the substances listed below including additives not requiring identification.

Dangerous components:

CAS: 115-10-6 EINECS: 204-065-8 Reg.nr.: 01-2119472128-37-X	dimethyl ether ⚠ Flam. Gas 1, H220; Press. Gas (Comp.), H280	30 - 60%
CAS: 64742-49-0 EINECS: 265-151-9 Reg.nr.: 01-2119475133-43-X	Naphtha (petroleum), hydrotreated light ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336	10 - 30%
CAS: 109-66-0 EINECS: 203-692-4 Reg.nr.: 01-2119459286-30-X	pentane ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	10 - 30%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-X	acetone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	1 - 5%

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- **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.

- In case of persistent symptoms consult doctor.

- **After skin contact**

- Wash with water and soap.

- In case of permanent aches and pains please go and see the doctor.

- **After eye contact**

- Rinse opened eye for several minutes under running water.

- In case of permanent aches and pains please go and see the doctor.

- **After swallowing**

- Seek immediate medical advice.

- Do NOT induce vomiting in order to prevent an invasion into the lungs.

- **4.2 Most important symptoms and effects, both acute and delayed**

- drowsiness

- Dazed

- **Danger**

- In case of ingestion or vomiting product may enter the lung.

- Aspiration may cause pulmonary oedema and pneumonitis.

- **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**

- CO₂, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.

- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

- **5.2 Special hazards arising from the substance or mixture**

- During incomplete combustion carbon monoxide can be formed.

- Pressure build-up and risk of bursting when heated.

- Vapours are heavier than air and may travel long distances along ground, ignite and flash back to source.

- **5.3 Advice for firefighters**

- **Protective equipment:**

- Do not inhale explosion gases or combustion gases.

- In case of fire wear breathing equipment being independent of ambient air and suit provided full protection against chemicals.

- **Additional information**

- Collect contaminated fire fighting water separately. It must not enter drains. Provide sufficient fire fighting water retention.

- Cool endangered containers with water spray.

SECTION 6: Accidental release measures

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

- Avoid contact with eyes, skin and clothes.

- Ensure adequate ventilation

- Keep away from sources of ignition - No smoking.

- **6.2 Environmental precautions:**

- Damp down gases/fumes/haze with water spray jet.

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- Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Ensure adequate ventilation.
 - **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 information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Keep away from heat and direct sunlight.
Keep empty containers away from heat and ignition sources.
Avoid direct contact with eyes, skin and clothing.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use.
Do not spray on flames or red-hot objects.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed containers.
Protect from heat and direct sunlight.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:**
WEL: workplace exposure limit
IOELV: Indicative Occupational Exposure Limit Values, workplace threshold value of the European Union

115-10-6 dimethyl ether

WEL (Great Britain)	Short-term value: 958 mg/m ³ , 500 ppm Long-term value: 766 mg/m ³ , 400 ppm
IOELV (European Union)	Long-term value: 1920 mg/m ³ , 1000 ppm

109-66-0 pentane

WEL (Great Britain)	Long-term value: 1800 mg/m ³ , 600 ppm
IOELV (European Union)	Long-term value: 3000 mg/m ³ , 1000 ppm

67-64-1 acetone

WEL (Great Britain)	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm
IOELV (European Union)	Long-term value: 1210 mg/m ³ , 500 ppm

- **DNELs**

64742-49-0 Naphtha (petroleum), hydrotreated light

Dermal	DNEL (worker, long-term, systemic)	25.9 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	3.25 mg/m ³ (human)

- **Additional information:** The lists that were valid during the compilation were used as basis.

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- **8.2 Exposure controls**
 - **Personal protective equipment**
 - **General protective and hygienic measures**
Avoid contact with the eyes and skin.
Do not eat, drink or smoke while working.
Wash hands during breaks and at the end of the work.
Do not inhale gases / fumes / aerosols.
 - **Breathing equipment:**
Not necessary if room is well-ventilated.
Use breathing protection in case of insufficient ventilation.
Filter AX.
 - **Protection of hands:**
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 gloves made of the following materials are suitable:**
Nitrile rubber, NBR
 - **Eye protection:**
- 

Tightly sealed safety glasses.
- **Body protection:**
Wear antistatic clothing made from natural fibres (cotton) or heat-resistant synthetic fibres.
 - **Limitation and supervision of exposure into the environment**
Avoid the uncontrolled release into the environment.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Aerosol
Colour:	Blue
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not applicable, as aerosol
- **Flash point:** Not applicable, as aerosol
- **Inflammability (solid, gaseous)** Not applicable.

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· Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· Critical values for explosion:	
Lower:	1.4 Vol %
Upper:	18.6 Vol %
· Vapour pressure at 20 °C:	5200 hPa
· Density	Not determined
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
· Solvent content:	
· Organic solvents:	
VOC EU	553 g/l
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
Avoid direct sunlight, heat and ignition sources.
- **10.3 Possibility of hazardous reactions**
Danger of containers bursting because of high vapour pressure
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Strong oxidizing agents
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	LD50	> 6,000 mg/kg (rat)
Dermal	LD50	> 3,000 mg/kg (rabbit)
Inhalative	LC50	> 32 mg/l/4h (rat)

- **Primary irritant effect:**
- **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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- **Repeated dose toxicity**

64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	NOAEL (90d)	100 mg/kg bw/day (rat) (OECD 408)
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- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

- **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**

May cause drowsiness or dizziness.

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

- **Aspiration hazard**

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

64742-49-0 Naphtha (petroleum), hydrotreated light

EC50 (static)	4.5 mg/l/48h (Daphnia magna) (OECD 202)
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EC50 (static)	3.7 mg/l/96h (Pseudokirchneriella subcapitata) (OECD 201)
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LC50	8.2 mg/l/96h (Pimephales promelas) (EPA 66013-75-009)
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- **12.2 Persistence and degradability** No further relevant information available.

- **Other information:** There are no data available about the preparation.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Proceed according to local, official regulations.

The waste code numbers mentioned are recommendations based on the probable use of the product.

- **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
HP 3	Flammable
HP 5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

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HP 14 Ecotoxic

· **Uncleaned packagings:**

· **Recommendation:**

After use the packaging shall be discharged completely.

Dispose of packaging according to regulations on the disposal of packagings.

SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, IMDG, IATA**

UN1950

· **14.2 UN proper shipping name**

· **ADR**

1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS

· **IMDG**

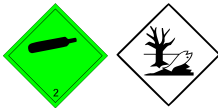
AEROSOLS, MARINE POLLUTANT

· **IATA**

AEROSOLS

· **14.3 Transport hazard class(es)**

· **ADR**



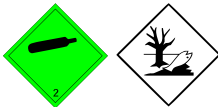
· **Class**

2.5A Gases.

· **Label**

2.2

· **IMDG**



· **Class**

2 Gases.

· **Label**

2.2

· **IATA**



· **Class**

2 Gases.

· **Label**

2.2

· **14.4 Packing group**

· **ADR, IMDG, IATA**

Void

· **14.5 Environmental hazards:**

· **Marine pollutant:**

Symbol (fish and tree)

· **Special marking (ADR):**

Symbol (fish and tree)

· **14.6 Special precautions for user**

Warning: Gases.

· **Kemler Number:**

-

· **EMS Number:**

F-D,S-U

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

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

3

· Tunnel restriction code

E

· IMDG
· Limited quantities (LQ)

1L

· Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

· UN "Model Regulation":

UN 1950 AEROSOLS, 2.2, ENVIRONMENTALLY HAZARDOUS

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

E2 Hazardous to the Aquatic Environment

· Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t

· Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

· National regulations
· Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is contained.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they 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.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

· Department issuing data specification sheet:

This Material Safety Data Sheet has been drawn up in cooperation with:

DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany,

phone: (+49) 511 42079 - 0, reach@dekra.com.

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Abbreviations and acronyms:

ADR: Accord européen sur le transport 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)
DNEL: Derived No-Effect Level (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1: Flammable gases – Category 1
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
Eye Irrit. 2: Serious eye damage/eye irritation – 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

GB