

SPS Envirowall Ltd



Safety Data Sheet
according to (EC) 1907/2006 - Article 31

ISO No. 5037

Version 2

Date prepared: 2022

SECTION 1 Identification of the article and of the company/undertaking

1.1 Product identifier

Trade Name: Rendagrip Bonding Agent
Identification of the product: Product Name: 507 Rendagrip Bonding Agent
Product Code: ESPSENDERGRIP

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

Use: Sealant/adhesive

1.3 Details of the supplier of the safety data sheet

Supplier SPS Envirowall Ltd
Unit 27 Rosevale Road
Parkhouse Industrial Estate West
Newcastle under Lyme
Staffordshire
ST5 7EF
United Kingdom
Email: info@spsenvirowall.co.uk
Telephone: 08451300983

1.4 Emergency telephone number

NHS : 111

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Hazard class and category code regulation EC1272/2008 (CLP): Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements

Labelling regulation (EC) 1272/2008 (CLP): Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Additional Labelling: EUH210 - Safety data sheet available on request.

EUH208 Contains 1,2-benzisothiazol-3(2H)-one (BIT), 2-methyl-2H-isothiazol-3-one (MIT), mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)). May produce an allergic reaction.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3 Composition/information on ingredients

Components

Chemical Name	CAS No	EC No	Concentration (% w/w)	Index Number (REGULATION (EC) No 1272/2008)	Classification (REGULATION (EC) No 1272/2008)	Classification (Other)
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate	6846-50-0	229-934-9	>= 0.25 - < 1	01-2119451093-47-XXXX	Repr. 2; H361d Aquatic Chronic 3; H412	-
1,2-benzisothiazol-3(2H)-one (BIT)	2634-33-5	220-120-9	>= 0.0025 - < 0.025	01-2120761540-60-XXXX	Acute Tox. 4; H302 Acute Tox. 2; H330 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	-
2-methyl-2H-isothiazol-3-one (MIT)	2682-20-4	220-239-6	>= 0.0002 - < 0.0015	01-2120764690-50-XXXX	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	-
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1))	55965-84-9	911-418-6	>= 0.0002 - < 0.0015	01-2120764691-48-XXXX	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 2; H310 Skin Corr. 1C; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	-

SECTION 4 First aid measures

4.1 Description of first aid measures

General Advice: No hazards which require special first aid measures.

Inhalation: Move to fresh air.

Skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

Eye contact: Remove contact lenses. Keep eye wide open while rinsing.

Ingestion: Do not induce vomiting without medical advice. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: See Section 11 for more detailed information on health effects and symptoms.

Risks: No known significant effects or hazards.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

SECTION 5 Fire-fighting measures

- 5.1 Extinguishing media** In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.
- 5.2 Special hazards arising from the substance or mixture** No hazardous combustion products are known.
- 5.3 Advice for fire-fighters**
Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.
Further Information: Standard procedure for chemical fires.

SECTION 6 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
Personal precautions: For personal protection see section 8.
- 6.2 Environmental precautions**
Environmental precautions: No special environmental precautions required.
- 6.3 Methods and material for containment and cleaning up**
Methods for cleaning up: Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections** For personal protection see section 8.

SECTION 7 Handling and storage

- 7.1 Precautions for safe handling**
Advice on safe handling: For personal protection see section 8. No special handling advice required. Follow standard hygiene measures when handling chemical products
Advice on protection against fire and explosion: Normal measures for preventive fire protection.
Hygiene measures: When using do not eat or drink. When using do not smoke.
- 7.2 Conditions for safe storage, including any incompatibilities**
Requirements for storage areas and containers: Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations.
Advice on common storage: No special restrictions on storage with other products.
Further information on storage stability: No decomposition if stored and applied as directed.

SECTION 8 Exposure controls/personal protection

- 8.1 Control parameters** Contains no substances with occupational exposure limit values
- 8.2 Occupational exposure controls**
Personal Protective Equipment
Eye Protection: Safety glasses
Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications. Butyl rubber/nitrile rubber gloves (0,4 mm)
Recommended: Butyl rubber/nitrile rubber gloves.
Skin and Body Protection: Protective clothing (e.g. Safety shoes acc. to EN ISO 20345; long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.
Respiratory protection: No special measures required.
Environmental Exposure Controls
General Advice: No special environmental precautions required.

SECTION 9 Physical and chemical properties

- 9.1 Information on basic physical and chemical properties**
Appearance: Liquid
Colour: Red
Odour: Slight
Odour Threshold: No data available
pH value: 8 - 9,5 (20 °C)
Melting point/freezing point: No data available
Boiling point/Boiling range: No data available
Flash point: > 90 °C Method: closed cup
Evaporation rate: No data available
Flammability: No data available
Explosive limits **Upper** **Lower**
No data available No data available
Vapour pressure: 23 hPa
Relative Vapour density: No data available
Density: ca. 1 g/cm³ (20 °C)
Solubility in water: Soluble
Partition coefficient: noctanol/water: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: Dynamic: 15.000 - 50.000 mPa.s (15 - 20 °C)
Kinematic: > 20,5 mm²/s (40 °C)
Explosive properties: No data available
Oxidising properties: No data available
- 9.2 Other information** No data available

SECTION 10 Stability and reactivity

- 10.1 Reactivity** No dangerous reaction known under conditions of normal use.
- 10.2 Chemical stability** The product is chemically stable.
- 10.3 Possibility of hazardous reactions** No hazards to be specially mentioned.
- 10.4 Conditions to avoid** No data available
- 10.5 Incompatible materials** No data available
- 10.6 Hazardous decomposition products** No decomposition if stored and applied as directed.

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Not classified based on available information.

Components

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate	Acute oral toxicity : LD50 Oral (Rat): > 3.200 mg/kg Acute dermal toxicity : LD50 Dermal (Rat): > 5.000 mg/kg
1,2-benzisothiazol-3(2H)-one (BIT):	Acute oral toxicity : LD50 Oral (Rat): 597 mg/kg Acute inhalation toxicity : LC50: 0,4 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg
2-methyl-2H-isothiazol-3-one (MIT):	Acute inhalation toxicity : Assessment: Corrosive to the respiratory tract.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)):	Acute inhalation toxicity : Assessment: Corrosive to the respiratory tract.

Skin corrosion/irritation: Not classified based on available information.

Serious eye damage/eye irritation: Not classified based on available information.

Respiratory or skin sensitisation: Not classified based on available information.

Germ cell mutagenicity: Not classified based on available information.

Carcinogenicity: Not classified based on available information.

Reproductive toxicity: Not classified based on available information.

Specific target organ toxicity - single exposure: Not classified based on available information.

Specific target organ toxicity - repeated exposure: Not classified based on available information.

Aspiration hazard: Not classified based on available information.

SECTION 12 Ecological information

12.1 Toxicity

1,2-benzisothiazol-3(2H)-one (BIT):	Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia (water flea)): 3 mg/l Exposure time: 48 h
2-methyl-2H-isothiazol-3-one (MIT):	M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 1
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)):	M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Additional ecological information: There is no data available for this product.

SECTION 13 Disposal considerations

13.1 Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14 Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packaging group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable for product as supplied.

SECTION 15 Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	Not applicable
International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	None of the components are listed (=> 0.1%).
REACH - List of substances subject to authorisation (Annex XIV)	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	Not applicable
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	Not applicable

REACH Information: All substances contained in our Products are
- registered by our upstream suppliers, and/or
- registered by us, and/or
- excluded from the regulation, and/or
- exempted from the registration.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

Volatile organic compounds:

Law on the incentive tax for volatile organic compounds (VOCV) - no VOC duties
Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) - Not applicable

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environmental regulation/legislation specific for the substance or mixture

- Environmental Protection Act 1990 & Subsidiary Regulations

- Health and Safety at Work Act 1974 & Subsidiary Regulations

- Control of Substances Hazardous to Health Regulations (COSHH)

May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.

15.2 Chemical safety

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16 Other information

Full text of H-Statements

H301 : Toxic if swallowed.
 H302 : Harmful if swallowed.
 H310 : Fatal in contact with skin.
 H311 : Toxic 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.
 H330 : Fatal if inhaled.
 H361d : Suspected of damaging the unborn child.
 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.
 H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity
 Aquatic Acute : Short-term (acute) aquatic hazard
 Aquatic Chronic : Long-term (chronic) aquatic hazard
 Eye Dam. : Serious eye damage
 Repr. : Reproductive toxicity
 Skin Corr. : Skin corrosion
 Skin Irrit. : Skin irritation
 Skin Sens. : Skin sensitisation
 ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
 CAS : Chemical Abstracts Service
 DNEL : Derived no-effect level
 EC50 : Half maximal effective concentration
 GHS : Globally Harmonized System
 IATA : International Air Transport Association
 IMDG : International Maritime Code for Dangerous Goods
 LD50 : Median lethal dose (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)
 LC50 : Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)
 MARPOL : International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978
 OEL : Occupational Exposure Limit
 PBT : Persistent, bioaccumulative and toxic
 PNEC : Predicted no effect concentration
 REACH : Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency
 SVHC : Substances of Very High Concern
 vPvB : Very persistent and very bioaccumulative

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

SPS Envirowall Ltd nor any other subsidiary of the Benx Group will be held accountable for any damage resulting from handling or from contact with the above product. This data sheet and the information it contains is not intended to supersede any terms or conditions of sale and does not constitute a specification. Nothing contained herein is to be construed as a recommendation for use in violation of any patent or applicable laws or regulations.