



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name MilKit Tubeless On Road Tyres

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

Relevant identified uses of the substance or mixture Tyre Sealant

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company and address **Sport Components Ltd**
Birmensdorferstrasse 80
8003 Zurich
Switzerland
+41789350600
www.milKit.bike

Contact person Pius Kobler
E-mail info@milKit.bike

Revision 6/7/2023

SDS Version 1.0

1.4. Emergency telephone number

In urgent situations: Call 112 and request the poison information centre. (24h service)
Giftnotrufzentrale Berlin, Emergency telephone: +49 30 19240 (day and night)
See also section 4 for first aid measures.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP).

2.2. Label elements

Hazard pictogram(s) Not applicable.

Signal word Not applicable.

Hazard statement(s) Not applicable.

Precautionary statement(s)

General -

Prevention -

Response -

Storage -

Disposal -

Hazardous substances None known.

Additional labelling Not applicable.

2.3. Other hazards

Additional warnings This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.
This product does not contain any substances considered to be endocrine



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disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

| Product/substance | Identifiers | % w/w | Classification | Note |
|--|--|-------|---|------|
| bronopol (INN);2-bromo-2-nitropropane-1,3-diol | CAS No.: 52-51-7 EC No.: 200-143-0 REACH: 01-2119980938-15-XXXX Index No.: 603-085-00-8 | <1% | Acute Tox. 3, H301 (ATE: 193.00 mg/kg) Acute Tox. 3, H311 Skin Irrit. 2, H315 Eye Dam. 1, H318 Acute Tox. 3, H331 STOT SE 3, H335 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411 | |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

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SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------|--|
| General information | In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink. |
| Inhalation | Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her. |
| Skin contact | Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance. |
| Eye contact | Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30 °C) and continue until irritation stops. |
| Ingestion | If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material. |
| Burns | Not applicable. |

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

None known.

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

None known.

Information to medics



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Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Fire fighters should wear appropriate personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Joint storage is permitted for products in storage classes: 2A, 2B, 3, 4.1B, 4.2, 5.1A, 5.1B, 5.2, 6.1A, 6.1B, 6.1C, 6.1D, 8A, 8B, 10, 11, 12, 13

Restrictions apply to joint storage of products in storage classes: 4.1A, 4.3, 5.1C

Joint storage is NOT allowed for products in all other storage classes.

| | |
|------------------------------|---|
| Recommended storage material | Keep only in original packaging. |
| Storage class | Storage class 12 (Non-combustible liquids). TRGS 510 - Storage of hazardous substances in non-stationary containers. |
| Storage temperature | Protect from moisture. Protect from sunlight. Room temperature 15 to 20°C |
| Incompatible materials | Strong acids |

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

DNEL

bronopol (INN);2-bromo-2-nitropropane-1,3-diol

| Duration: | Route of exposure: | DNEL: |
|--|--------------------|------------------------|
| Long term – Local effects - General population | Dermal | 4 µg/cm ² |
| Long term – Local effects - Workers | Dermal | 8 µg/cm ² |
| Long term – Systemic effects - General population | Dermal | 700 µg/kgbw/day |
| Long term – Systemic effects - Workers | Dermal | 2 mg/kg bw/day |
| Short term – Local effects - General population | Dermal | 4 µg/cm ² |
| Short term – Local effects - Workers | Dermal | 8 µg/cm ² |
| Short term – Systemic effects - General population | Dermal | 2.1 mg/kg bw/day |
| Short term – Systemic effects - Workers | Dermal | 6 mg/kg bw/day |
| Long term – Local effects - General population | Inhalation | 600 µg/m ³ |
| Long term – Local effects - Workers | Inhalation | 2.5 mg/m ³ |
| Long term – Systemic effects - General population | Inhalation | 600 µg/m ³ |
| Long term – Systemic effects - Workers | Inhalation | 3.5 mg/m ³ |
| Short term – Local effects - General population | Inhalation | 600 µg/m ³ |
| Short term – Local effects - Workers | Inhalation | 2.5 mg/m ³ |
| Short term – Systemic effects - General population | Inhalation | 1.8 mg/m ³ |
| Short term – Systemic effects - Workers | Inhalation | 10.5 mg/m ³ |
| Long term – Systemic effects - General population | Oral | 180 µg/kgbw/day |
| Short term – Systemic effects - General population | Oral | 500 µg/kgbw/day |

PNEC

bronopol (INN);2-bromo-2-nitropropane-1,3-diol

| Route of exposure: | Duration of Exposure: | PNEC: |
|-----------------------------------|-----------------------|-------------|
| Freshwater | | 1.25 µg/L |
| Freshwater sediment | | 21.5 µg/kg |
| Intermittent release (freshwater) | | 265 ng/L |
| Marine water | | 520 ng/L |
| Marine water sediment | | 8.944 µg/kg |
| Sewage treatment plant | | 430 µg/L |
| Soil | | 210 µg/kg |

8.2. Exposure controls

Control is unnecessary if the product is used as intended.

| | |
|-------------------------|--|
| General recommendations | Smoking, drinking and consumption of food is not allowed in the work area. |
| Exposure scenarios | There are no exposure scenarios implemented for this product. |
| Exposure limits | Occupational exposure limits have not been defined for the substances in this product. |
| Appropriate technical | Apply standard precautions during use of the product. Avoid inhalation of |




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measures vapours.
 Hygiene measures Wash hands after use.
 Measures to avoid environmental exposure No specific requirements.

Individual protection measures, such as personal protective equipment

Generally Use only CE marked protective equipment.
 Respiratory Equipment No specific requirements
 Skin protection No specific requirements.
 Hand protection

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards | |
|----------|----------------------|--------------------------|-----------|---|
| Gloves | - | - | EN374 |  |

Eye protection

| Type | Standards | |
|----------------|-----------|---|
| Safety glasses | EN166 |  |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid
 Colour White
 Odour / Odour threshold Characteristic
 pH 7-8
 Density (g/cm³) No data available
 Relative density No data available
 Kinematic viscosity No data available
 Dynamic viscosity (Brookfield) ?CPS-?CPS
 Particle characteristics No data available

Phase changes

Melting point/Freezing point (°C) -20 to -12
 Softening point/range (waxes and pastes) (°C) Does not apply to liquids.
 Boiling point (°C) No data available
 Vapour pressure No data available
 Relative vapour density No data available
 Decomposition temperature (°C) No data available

Data on fire and explosion hazards

Flash point (°C) No data available



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| | |
|---|----------------------------------|
| Flammability (°C) | The material is not combustible. |
| Auto-ignition temperature (°C) | No data available |
| Lower and upper explosion limit (% v/v) | No data available |

Solubility

| | |
|-----------------------------|----------------------------|
| Solubility in water | Partly miscible with water |
| n-octanol/water coefficient | No data available |
| Solubility in fat (g/L) | No data available |

9.2. Other information

| | |
|---|--------------------|
| Evaporation rate (n-butylacetate = 100) | No data available |
| Other physical and chemical parameters | No data available. |
| Oxidizing properties | No data available |

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Storage in the open is not recommended.
Sunlight
Water
Dirt

10.5. Incompatible materials

Strong acids

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

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

Acute toxicity

| | |
|--------------------|--|
| Product/substance | bronopol (INN);2-bromo-2-nitropropane-1,3-diol |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | 193-211 mg/kg |

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.



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Respiratory sensitisation

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

Skin sensitisation

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

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

Long term effects

None known.

Endocrine disrupting properties

Not applicable.

Other information

None known.

SECTION 12: Ecological information

12.1. Toxicity

No data available.

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 mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties

Not applicable.

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

SECTION 13: Disposal considerations



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13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code

Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information: |
|------|-----------------|---------------------------------|--------------------------|-------------|---------------|-----------------------|
| ADR | - | - | - | - | - | - |
| IMDG | - | - | - | - | - | - |
| IATA | - | - | - | - | - | - |

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

| | |
|--|--|
| Restrictions for application | No special. |
| Demands for specific education | No specific requirements. |
| SEVESO - Categories / dangerous substances | Not applicable. |
| Additional information | Not applicable. |
| Sources | Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP). 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). |

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H301, Toxic if swallowed.
H311, Toxic in contact with skin.
H315, Causes skin irritation.



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H318, Causes serious eye damage.
H331, Toxic if inhaled.
H335, May cause respiratory irritation.
H400, Very toxic to aquatic life.
H411, Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

In accordance with Article 31 of REACH, a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information as required under Article 32 of REACH.

The safety data sheet is validated by

MILKIT

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.



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It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: DE-en