

Safety Data Sheet
in accordance with Regulation (EC)
No. 1907/2006

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Zolleks Avto d.o.o.

Threadlocker

Date of issue: 13/10/2014
Version: 1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1 Product identifier

Tradename Threadlocker BFU-5, BFU-3, BFS-4, BFS-6
Substance/mixture Mixture

1.2 Relevant identified uses of the substance/mixture and inadvisable uses

Identified uses: Screw adhesive

1.3 Details of the supplier of the Safety Data Sheet

Supplier:

Zolleks Avto d.o.o.
Kidričeva cesta 97
SI-4220 Škofja Loka

Telephone: +386 4 502 07 10
Telephone: +386 4 502 07 19

E-mail address of the person responsible for drawing up the Safety Data Sheet:
info@kemikalije.si

1.4 Emergency telephone number

Emergency call – Slovenia: 112

2. HAZARD IDENTIFICATION

2.1 Classification of the substance/mixture

Classification in accordance with Directive 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16.

Xi; R36/37/38
R43

Classification in accordance with Regulation 1272/2008

For the full text of H-statements mentioned in this Section, see Section 16.

Skin Irrit. 2; H315
Eye Irrit. 2; H319
STOT SE 3; H335
Skin Sens. 1; H317

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2.2 Label elements

Classification in accordance with Regulation 1272/2008

Pictogram:



Signal word: ATTENTION

Hazard statements:

H335 May cause respiratory irritation.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

Contains: Polyglycol dimethacrylate, Bisphenol A fumarate resin, Cumene hydroperoxide

Precautionary statements:

P102 Keep out of reach of children.

P261 Avoid breathing dust/fume/gas/mist/vapour/spray.

P280 Wear protective gloves and eye protection/face protection.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

2.3 Other hazards

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name	CAS ES Index	REACH Reg. No.	Content in %	Classification (Directive No. 67/548)	Classification (Regulation No. 1272/2008)
Polyglycol dimethacrylate	25852-47-5 - -	-	60-100	Xi; R36/37/38	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335
Bisphenol A fumarate resin	39382-25-7 - -	-	10-30	Xi; R36/38 Xi; R43	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2;

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					H319
Cumene hydroperoxide	80-15-9 201-254-7 617-002-00-8	-	1<3	O; R7 T; R23 Xn; R21/22-48/20/22 C; R34 N; R51/53	Org. Perox. E; H242 Acute Tox. 3 *; H331 Acute Tox. 4 *; H312 Acute Tox. 4 *; H302 STOT RE 2 *; H373 Skin Corr. 1B; H314 Aquatic Chronic 2; H411
Saccharin	- - -	-	1-5	-	-

For the full text of the R-phrases mentioned in this Section, see Section 16.
For the full text of the H-statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first-aid measures

- Inhalation** Move the affected person to fresh air. If you experience discomfort, seek medical advice.
- Skin contact** Remove contaminated clothing and wash contaminated skin with plenty of water and soap. Remove contaminated clothing. If you experience symptoms, seek medical advice.
- Eye contact** Wash the eyes with plenty of water for at least 15 minutes. Wash the eyelids as well. Consult a doctor.
- Ingestion** Do not induce vomiting, seek medical attention. Keep the injured person warm.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing agents

- Suitable extinguishing agents** Carbon dioxide, foam, powder.
- Unsuitable extinguishing agents** Direct water stream.

5.2 Special hazards arising from the substance or mixture

- Special hazards** During a fire carbon oxides, nitrogen oxides, irritant organic vapours may be released.

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5.3 Advice for fire-fighters

Special protective equipment for fire-fighters Wear self-contained breathing apparatus that is independent of the ambient atmosphere.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment (protective gloves, safety goggles and boots). Avoid contact with skin and eyes.

6.2 Environmental precautions

Prevent the product from leaking into the sewerage system, ground and surface water.

6.3 Cleaning up methods, materials and retention

Wipe the residues with a cloth. Prevent them from leaking into the sewerage system, waters and ground water.

Blot dry and contain larger spills with inert absorbent material (soil, sand, vermiculite) and place it in suitable disposal/removal containers. Wash out the area of spillage with warm water and soap in order to make the area safe for humans. Warning: the residues are partly soluble in water, therefore prevent them from leaking into the sewerage system and water courses.

Solid residues should be treated as hazardous waste and disposed in accordance with the regulations.

6.4 Reference to other sections

Personal protective equipment See Section 8.
Waste management See Section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice for safe handling Avoid contact with skin, eyes and clothing.
Do not breathe vapour, mist or aerosol. use general and/or local ventilation system. If this is not effective, use respiratory protection equipment. Do not ingest.
When using do not eat, drink or smoke. In case of exposure, wash the exposed skin with water and soap.

Advice for fire safety Avoid contact with oxidising agents.

7.2 Conditions for a safe storage, including any incompatibilities

Technical measures/storage conditions Store indoor in a cool, dry and well ventilated place, at a temperature below 38°C (100°F). Away from sparks, heat and open fire.

Incompatible materials No information available.

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7.3 Specific end uses No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limit values for ingredients:

Cumene hydroperoxide, CAS: 80-15-9

Limit value: 1 ppm (6 mg/m³), skin (WEEL), 1ppm, skin TWA (WEEL)

8.2 Exposure controls

Engineering controls In case of vapour or mist formation, ensure good ventilation at the workplace.

Personal protective equipment

General measures Avoid contact with skin and eyes.
When using the product do not eat, drink or smoke.

Respiratory protection Not necessary, unless the measured values exceed the permissible limit values.

Eye/face protection Safety glasses with side shields.

Skin and body protection Impermeable work clothing.

Hand protection Protective gloves made of neoprene, butyl rubber or natural rubber.

8.3. Environmental exposure controls

General information Not determined.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Blue, red
Odour	Distinctive
Boiling point	>149°C (300°F)
Flash point	>93 °C (200°F) – container closed
Vapour pressure	Less than 5 mm Hg at 27°C (80°F)
Water solubility	Lightly miscible with water
Specific weight	1.10
Content of HOS	0.8177%; 7.8053 g/l

9.2 Other information No information available.

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10. STABILITY AND REACTIVITY

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| <u>10.1 Reactivity</u> | No information available. |
| <u>10.2 Chemical stability</u> | Product is stable under normal conditions of storage and use. |
| <u>10.3 Possibility of hazardous reactions:</u> | Hazardous polymerisation will not occur. |
| <u>10.4 Conditions to avoid</u> | See Section 10.4 and Section 7. |
| <u>10.5 Incompatible materials:</u> | Strong oxidising agents. Strong acids.
Strong reducing agents.
Copper. Iron. Rust. |
| <u>10.6 Hazardous decomposition products</u> | Carbon oxides. Sulphur oxides. Nitrogen oxides.
Irritant organic vapours. Phenols. |

11. TOXICOLOGICAL INFORMATION

(a) Acute toxicity

Product data:

Acute oral LD50 >5000mg/kg (rat) (rated).

Acute dermal LD50 >2000 mg/kg (rabbit) (rated).

(b) Irritation

May cause respiratory irritation.
Causes skin irritation.
Causes serious eye irritation.

Constituents data:

Polyglycol dimethacrylate
25852-47-5 allergen, irritant

Bisphenol A fumarate resin
39382-25-7 allergen, irritant

Saccharin
81-07-2 no irritant effect

Cumene hydroperoxide
80-15-9 allergen, central nervous system, corrosive, irritant, mutagen

- | | |
|--------------------------|---|
| (c) Corrosivity | No information available. |
| (d) Sensitisation | May cause an allergic skin reaction. |
| (e) Repeat dose toxicity | No information available. |
| (f) Carcinogenicity | None of the constituents is carcinogenic. |
| (g) Mutagenicity | No information available. |

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(h) Toxicity for reproduction No information available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity No information available.

12.2 Persistence and degradability No information available.

12.3 Bioaccumulative potential No information available.

12.4 Mobility in soil No information available.

12.5 Results of PBT and vPvB assessment No information available.

12.6 Other adverse effects

Should not flow into sewerage system, drains or ground.

13. DISPOSAL CONSIDERATIONS

13.1 Waste management methods

Waste from residues: Dispose in accordance with the Decree on waste.

Contaminated packaging: Packaging is not reusable. Packaging must be disposed at an authorised collector of waste.

National regulations regarding waste:

- Decree on waste
- Decree on the management of packaging and packaging waste

14. TRANSPORT INFORMATION

The product is not classified as dangerous goods according to regulations on transport of hazardous substances.

15. REGULATORY INFORMATION

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

European Union

Regulation 1907/2006 (REACH), Directive 67/548/EEC and 1999/45/EC, Regulation 1272/2008

Regulations in Slovenia

- Chemicals Act
- Rules on the classification, packaging and labelling of dangerous substances
- Rules on the classification, packaging and labelling of dangerous preparations
- Decree on waste
- Decree on the management of packaging and packaging waste
- Rules on the protection of workers from the risks related to exposure to chemical substances at work
- Rules on personal protective equipment used by workers at work

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Chemical safety assessment has not been made.

16. OTHER INFORMATION

Source of the Safety Data Sheet: manufacturer's safety data sheet and additional information on the composition

List of relevant R-phrases, hazard statements, safety phrases and/or precautionary statements

R7 May cause fire.

R23 Toxic by inhalation.

R21/22 Harmful in contact with skin and if swallowed.

R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

R34 Causes burns.

R36/37/38 Irritating to eyes, respiratory system and skin.

R36/38 Irritating to eyes and skin.

R43 May cause sensitisation by skin contact.

R51/53 Toxic to aquatic organisms: may cause long-term adverse effects in the aquatic environment.

H242 Heating may cause a fire.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

Date of previous issue: -**Abbreviations:**

TWA (time-weighted average): daily exposure limit value (8 h)

STEL (short-term exposure limits): limit value for short-term exposure

REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals

The above information is based on our present knowledge and experience and relates to the product in the state in which it has been delivered. The information is to describe our product regarding safety requirements. Entries do not constitute a guarantee of the product properties in the legal sense. It is the consumer's responsibility to know and take into account the legal provisions relating to the transport and use of the product.

End of the Safety Data Sheet