

BK23 Safety datasheet

Specifications

Type: Safety Data sheet (MSDS)

According to: 1907/2006/EC (REACH), Annex II; 830/2015/EC

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier: Trade name: BK23

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

Relevant identified use: Adhesive for adhering wallcoverings.
Uses advised against: --

1.3. Details of the supplier of the safety data sheet:

BN International Rokerijweg 5, 1271 AH, Huizen, The Netherlands, Tel: +31(0) 35 5248420

1.4. Emergency telephone number:

During office hours: Tel.: +31 (0) 55 5211544
+31 (0) 30 2748888 Nationaal Vergiftigingen Informatie Centrum.
(For professionals only, Supply information from section 3, not the trade name)

2. Hazards identification

2.1. Classification of the substance or mixture:

2.1.1. Classification according to regulation (EC) nr.1272/2008 (CLP):
Not classified / not a hazardous substance/mixture.

2.2. Label elements: Hazard indications:

EUH208: Contains a mixture of 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1); 2-Methyl-2H-isothiazol-3-one; 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction. EUH210: SDS available on request.

2.3. Other hazards:

None. This mixture does not meet the criteria for PBT / vPvB according to regulation 1907/2006 REACH, Annex XIII.

3. Composition/information on ingredients

Chemical characterization: Water-borne dispersion of starch and/or cellulose and/or polymer based on vinyl acetate.

3.1. Substances: Not applicable.

3.2. Mixtures: See chemical characterization, the mixture also contains:

Name	Concentration	Catalogue number	CAS-number	EU-number
1,2 Benzothiazol-3(2H)-one	< 300 ppm	613-088-00-6	2634-33-5	220-120-9
3:1 mixture of 5-chloro-2-methyl-4-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	< 15 ppm	613-167-00-5	55965-84-9	-
2-methyl-2H-isothiazol-3-one	< 15 ppm	-	2682-20-4	220-239-6

Name	Classification according to regulation (EC) nr. 1272/2008 (CLP)	Hazard statements:
1,2 Benzothiazol-3(2H)-one	Skin sensitization - Category 1	H317
3:1 mixture of 5-chloro-2-methyl-4-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	Skin sensitization - Category 1A	H317
2-methyl-2H-isothiazol-3-one	Skin sensitization - Category 1A	H317

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Other hazards of the indicated substances are not mentioned, since they are not relevant at the indicated concentration in this mixture. Safety data sheet regarding the original substances are available on request.

Further information in section 15. For complete sentences of H- en P-sentences: see section 16.

4. First aid measures

4.1. Description of first aid measures:

General information: No special measures required.

Inhalation: Move to fresh air, keep warm and try to calm victim down. If symptoms persist, seek medical advice.

Skin contact: Rinse and wash with plenty of water and soap. If symptoms persist, seek medical advice.

Eye contact: Immediately rinse with plenty of water, remove contact lenses. Keep rinsing for at least 10 minutes. Seek medical advice.

Ingestion: Rinse the mouth, drink plenty of water. Seek medical advice and show this MSDS.

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

No specific symptoms or effects are known.

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

Treatment: see section 4.1.

5. Firefighting measures

5.1. Extinguishing media:

Suitable extinguishing media:

Foam, Dry powder, Carbon dioxide (CO₂), Water spray/mist.

Extinguishing media which must not be used for safety reasons: None in particular.

5.2. Special hazards arising from the substance or mixture:

The product does not present a fire hazard.

During combustion the following gases may form:

Carbon mono-oxide (CO) and Carbon dioxide (CO₂).

5.3. Advice for firefighters:

Use suitable breathing protection/apparatus.

Collect contaminated extinguishing water, do not allow discharging into sewer/drains.

This mixture is water-based and not a fire hazard by itself.

This product may cause extremely slippery floors upon release, wear suitable footwear

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Contaminated floors become slippery, wear suitable footwear.

Safety gloves and safety goggles are recommended.

Avoid contact with skin and eyes as much as possible.

6.2. Environmental precautions:

Avoid leakage into sewage and drains as much as possible.

6.3. Methods and material for containment and cleaning up:

Soak up using absorbent material like sand, sawdust, universal binder. Rinse with water.

Retain both contaminated absorbent material as well as contaminated water and dispose of in accordance with local regulations. Clean equipment directly after use.

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6.4. Reference to other sections:

For more information on personal protection, see section 8.

For more information on disposing of contaminated materials, see section 13.

7. Handling and storage

7.1. Precautions for safe handling:

Hygiene measures:

Use in accordance with proper industrial hygiene and safety protocols.

Wash hands between handling and drinking or eating.

Do not eat, drink or smoke during handling.

Remove contaminated clothing immediately and wash before renewed use.

Advice on safe handling:

Contaminated floors may become slippery.

Prevent contact with skin and eyes, prevent inhalation of gas or mist.

Protection against fire and explosion:

No special protective measures against fire or explosion are required.

Measure to protect the environment:

Prevent damage to packaging.

Prepare material for immediate action upon spilling to prevent any discharge on sewer or drains.

7.2. Conditions for safe storage including any incompatibilities:

Material storage:

Keep dry, cool and closed.

Protect against frost. Store between 5 and 30 °C, preferably between 15 and 25 °C.

Protect against long-lasting exposure to sunlight.

No special technical precautions are required.

Incompatible products:

Materials that react with water.

Technical measures for protection against fire and explosion:

No special technical measures are required.

7.3. Specific end-use: Nothing specific.

8. Exposure controls/personal protection

8.1. Control parameters: There are no control parameters for this mixture.

Component:

3:1 mixture of 5-chloro-2-methyl-4-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one: MAC (TWA): 0,2 mg/m³

8.2. Exposure controls: **General advice:** Provide for adequate ventilation. In case of limited ventilation options, provide local exhaust ventilation.

Eye protection: Not required. Safety goggles are strongly recommended.

Skin protection: No special measures required.

Respiratory protection: No special measures required.

Hands protection: Not required. Safety gloves are recommended.

Material: Nitrile rubber or comparable material, conform EN 374, consult supplier for adequate material.

Environmental exposure control: Do not discharge into the drains or sewage systems.

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9. Physical and chemical properties

9.1. Information on basic physical and chemical properties:

Form:	Liquid	
Colour:	White/Light yellow	
Odour:	Sweet, typical	
Water solubility:	Miscible	
pH:	± 7	ISO 976
Melting-/freezing point:	± 0°C	
Boiling point and/or boiling range:	± 100 °C	
Density:	± 1.06 g/cm ³	ISO 2811-3
Viscosity:	7,000 mPas	Brookfield RVT 4 rpm
Dry Solid Content:	± 9	ISO 3251; 105 °C; 60 min.; 1g.

Other physical and chemical properties are not applicable or not tested.

10. Stability and reactivity

10.1. Reactivity: Stable under recommended storage conditions.

10.2. Chemical stability: No decomposition under recommended storage conditions and use instructions.

10.3. Possibility of hazardous reactions:

None.

10.4. Conditions to avoid:

Do not freeze.

Avoid addition of large amounts of acid or base, this will affect product properties in a negative way.

10.5. Incompatible materials:

Materials that react with water.

10.6. Hazardous decomposition products:

No decomposition under recommended storage conditions and use instructions.

11. Toxicological information

1.1. Information on toxicological effects:

Acute toxicity:

This mixture is not classified as toxic. There is no data available for this mixture. Based on the individual toxicity of the substances in the mixture, the mixture does not meet the criteria for classification. The mixture is therefore considered not to be acute dermal or oral toxic, based on inductive reference.

Toxicological information on the main substances found in the mixture:

Not applicable, based on the used concentrations, considered to not be relevant.

Information on probable routes of entry:

Ingestion: Yes.

Inhalation: No.

Skin: No.

Skin corrosion/irritation: No irritant effect known.

Serious eye damage/irritation: Not classified as irritant. A temporary, mild irritant effect is possible upon contact with the eyes.

Sensitizing effects: Sensitization for the individual substances found in the mixture, mentioned in section 3, may occur with individuals who are sensitive to this material.

Carcinogenic effects: No effects are known.

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Mutagenic effects: No effects are known.

This information is mostly obtained through inductive inference.

12. Ecological information

12.1. Toxicity:

Aquatic toxicity:

Based on the substances in this mixture this product is not considered toxic to the aquatic environment

Components:

1,2-benzisothiazol-3(2H)-one

CAS: 2634-33-5

Acute aquatic toxicity:

Test: EC50	Species: Daphnia	Dose: 3.7 mg/l	Duration: 48 hour
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Test: EC50	Species: Algae	Dose: 0.37 mg/l	Duration: 72 hour
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3:1 mixture of 5-chloro-2-methyl-4-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one

CAS: 55965-84-9

Acute aquatic toxicity:

Test: EC50	Species: Daphnia	Dose: 0.16 mg/l	Duration: 48 hour
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Test: LC50	Species: Fish	Dose: 0.19 mg/l	Duration: 96 hour
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2-methyl-2H-isothiazool-3-on

CAS: 2682-20-4

Acute aquatische toxiciteit:

Test: EC50	Species: Daphnia	Dose: 1.6 mg/l	Duration: 48 hour
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Test: LC50	Species: Vissen	Dose: 6.0 mg/l	Duration: 96 hour
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12.2. Persistence and degradability:

Persistence: No data available.

Degradability: Partially biologically degradable, based on inductive reference.

12.3. Bio accumulative potential:

No information available / N.A.

12.4. Mobility in soil:

No information available / N.A.

12.5. Result of PBT- and vPvB-assessment:

No PBT substances.

No vPvB substances.

12.6. Other harmful effects:

No information available.

13. Disposal considerations

13.1. Waste treatment methods:

Product:

The waste of the mixture can be removed in accordance with local regulations, depending on the composition of the mixture at the time of disposing. A diluted mixture may probably be treated in a biological purification plant, with permission of the local authorities.

Packaging:

Packaging should be emptied as much as possible. After cleaning the packaging can be re-used/ disposed of in accordance with local regulations

European Waste Catalogue:

Consult local authorities, probably (if not mixed with other materials): 08 04 10 Waste of adhesive and kit not mentioned in 08 04 09.

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14. Transport information

14.1. UN-number: None.

14.2. UN proper shipping name: N.a.

14.3. Transport hazard classes:
ADR/RID: no dangerous good.
ICAO/IATA: no dangerous good.
IMDG: no dangerous good.

14.4. Packaging group: N.a.

14.5. Environmental Hazards: N.a.

14.6. Special precautions for user: N.a.

14.7. Transport in bulk according to Annex II of Marpol and the IBC-code:
N.a.
No.

15. Regulatory information

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

EU-Regulations:

Regulation 1907/2006 (Reach).

Regulation 1272/2008 (CLP) + all subsequent ATP's.

Assessments according to EU regulation EU 1907/2006 (REACH):

Annex XIV (Substances of Very High Concern): None of the components are regulated. Annex XVII: Not applicable.

Assessments according to EU regulation EU 1272/2008 (CLP):

This product is regulated according the international CLP guidelines of regulation EU 1272/2008: Labels must contain the warning phrases EUH 208 and EUH 210.

Other regulations:

Information according regulation 2004/42/EC concerning the restriction of emissions of Volatile Organic Components (VOC-guideline):

VOC-content: Not determined. Based on the materials in this product, estimated at <1g/kg.

15.2. Chemical safety assessment:

No chemical safety assessment has been made for this mixture. Reason: not required.

16. Other information

Disclaimer: The data in the Safety Data Sheet 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. The information provided for this product in this Safety Data Sheet has been compiled from knowledge of the individual constituent, based on scientific sources. The provided information only applies when the product is used for its proper application. Any other usage not mentioned in this data sheet may cause risks, which are not mentioned in this Safety Data Sheet. Do not use this Safety Data Sheet for such applications, seek advice from the manufacturer.

H-phrases: H317 May cause an allergic skin reaction.

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P-phrases:

N.a.

Additional Hazard information:

EUH208: Contains <product name>. May cause an allergic reaction.

EUH210: SDS available on request.

Used abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

ATP: Adaption to Technical and scientific Progress.

CLP: Classification, labelling and packaging.

ICAO: International Civil Aviation Organization.

IATA: International Air Transport Organization.

IMDG: International Maritime Code for Dangerous Goods.

MAC.: Maximum acceptable concentration.

N.a.: Not applicable.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

SDS: Safety Data Sheet.

TWA: Time weighted average.

Revisions since last version:

Vs. Version 1.1: Section 3 has been revised.

Revision date: 9 september 2020
