

BIRKOSIT Dichtungskitt®

for maximum temperature and pressure stability

Product number AIS B010

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

BIRKOSIT Dichtungskitt®

The information provided here is based on our knowledge and experience at the current time. The safety data sheet sets out the safety requirements relating to our product and does not constitute a warranty of any particular properties. It is the responsibility of the consignee of our product to observe the existing laws and regulations.

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

1.1. Product identifier:

Registered trade name: **BIRKOSIT Dichtungskitt®**

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

Usage: Sealing of metallic joints

1.3. Details of the supplier of the safety data sheet

Company: A.I. Schulze Chemotechnische Fabrik e.K.

Address: Johannes-Robert-Becher-Straße 39, 02827 GÖRLITZ, GERMANY

Contact: Tel. +49 3581 75005-0 Fax +49 3581 75005-20

email: management@a-i-schulze.com

1.4. Emergency telephone number

Emergency information service: Tel. +49 3581 75005-10 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not applicable as it does not meet the criteria for classification under Directive 199/45/EC.

2.2. Label elements

The use of the product poses **no particular risk** as long as it is used in compliance with the standard regulations for industrial hygiene, health and safety.
No labelling of the product is required under EC Directives.

2.3. Other hazards

The product presents **no significant hazard** for the environment if it is disposed of in compliance with the standard regulations for waste disposal (cf. section 13).

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Formulation based on a modified organic resin and a paraffin-base mineral oil. The formulation contains both inorganic and organic additives.

The product contains the following relevant components:

CAS no.	Name	REACH	EEC no.	Index no.	Symbols	R phrases
68649-95-6	Linseed oil varnish	—	—	—	—	—
1309-37-1	Synthetic iron oxide	01-2119457614-35-0000	—	—	—	3 mg/m ³

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: Inhalation is not a primary route of exposure. The advice given there is of a general nature.

In case of contact with eyes: Hold eyelid wide open and rinse the eye out thoroughly with water. Consult an eye specialist if irritation persists.

In case of skin contact: Remove the product as far as possible with a clean soft cloth then wash the affected areas of the skin thoroughly with soap and water.

In case of ingestion: Arrange medical treatment for the affected person if necessary.

In case of inhalation: Help the affected person out into the fresh air. Consult a doctor if nausea persists.

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

No known symptoms and effects to date.

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

No known special measures to be taken other than the treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: CO₂, powder and foam extinguishers, water spray jet.

Unsuitable extinguishing media: Full water jet.

5.2. Special hazards arising from the substance or mixture

The product is only sold in small containers therefore no particular hazards are to be anticipated as a general rule. The product is combustible. Gases and vapours which are harmful to health and have an irritant effect are released during the incineration or thermal decomposition of the product.

5.3. Advice for firefighters

This advice relates to large fires only. Keep containers cool with water spray if they have been exposed to the fire. Use self-contained breathing apparatus and put on protective clothing in the event of a fire. Collect and dispose of firefighting water as far as possible.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Pick up small undamaged containers (tins, tubes, etc.). Take measures to stop the flow from any damaged containers and put on protective equipment before cleaning up any large spillages.

6.2. Environmental precautions

Take measures to prevent leakage into the drainage and water systems.

6.3. Methods and material for containment and cleaning up

Clean up any spillages with a dry absorbent agent (sand, earth, universal binder, etc.) and dispose of residues as instructed in section 13. Clean the floor thoroughly.

6.4. Reference to other sections

See section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure adequate indoor ventilation at all times when using the product. Do not smoke while using the product. Precisely follow the instructions for use.

7.2. Conditions for safe storage, including any incompatibilities

These measures relate to the storage of large quantities of the product. Store the product in the sealed original containers in a cool and dry place. Take appropriate measures to prevent the product from entering the drainage or water circulation systems in case of spillage. Do not store the product in the vicinity of food, beverages or feedstuff, and keep out of reach of children. Heed the storage class when storing large quantities or when storing in bulk. **Storage class 11** under the classification system developed by the VCI, the German chemical industries association (1991).

7.3. Specific end uses

No further recommendations.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

No further measures required over and above those set out in section 7.

8.2. Exposure controls

Individual protection measures, such as personal protective equipment:

Do not eat, drink or smoke in the workplace. Avoid repeated / sustained contact with the product. Change soiled workwear and clean thoroughly before reuse. Do not rub your eyes with dirty hands. Wash your hands after working and before going to the toilet.

Respiratory protection: Not required

Eye protection: Safety glasses with side shields (not mandatory but recommended)

Hand protection: Plastic gloves (not mandatory but recommended)

Personal protection: Workwear

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form: Viscous at 20 °C

Colour: Coloured

Odour: Characteristic

9.2. Other information

Density: (25 °C) ~ 1.1 g/cm³

Bulk density: (20 °C) not applicable

Vapour pressure: (20 °C) < 1 hPa

Viscosity: (25 °C) no data

Solubility in water: (20 °C) virtually insoluble

Solubility in fat: Partly miscible with common organic solvents

pH: Not applicable

Flash point: Non-flammable

Ignition temperature: Non-combustible

Explosion hazards: None

Partition coefficient n-octanol/water, log P_{ow}: Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

Not relevant.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

No known reactions.

10.4. Conditions to avoid

The product is stable at room temperature.

10.5. Incompatible materials

Strong oxidants.

10.6. Hazardous decomposition products

Carbon monoxide, carbon dioxide and inorganic oxides are formed during the combustion / thermal decomposition of the product.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

The use of the product poses **no significant risk** as long as it is used in compliance with the standard regulations for industrial hygiene, health and safety.

LD/LC50 data relevant to classification:

Oral LD50 4986 mg/kg (rat)

SECTION 12: Ecological information

12.1. Toxicity

Do not allow product to leach into the environment. Decant and treat contaminated waste water before it is discharged into the drainage system.

12.2. Persistence and degradability

Not relevant.

12.3. Bioaccumulative potential

Not relevant.

12.4. Mobility in soil

Not relevant.

12.5. Results of PBT and vPvB assessment

Not relevant.

12.6. Other adverse effects

Water hazard class **WK 1 (slightly hazardous to waters)** (according to VwVwS publication dated 17.05.1999, formerly WK 0 which has now ceased to exist).

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Make sure the containers (tins, tubes, etc.) are completely empty and recycle them in the normal way. End users can dispose of small quantities of residues in the original packaging at their local hazardous waste disposal facility (mobile hazardous waste

collection service). Professional users must dispose of the product in accordance with the waste code number.

Waste code number: 08 04 10 waste adhesives and sealants other than those mentioned
in 08 04 09.

SECTION 14: Transport information

There are **no specific precautions** to be taken.

14.1. UN number

—

14.2. UN proper shipping name

—

14.3. Transport hazard classes

—

14.4. Packing group

—

14.5. Environmental hazards

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14.6. Special precautions for the user

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

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SECTION 15: Regulatory information

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

The product is **not a hazardous substance** as defined by the Ordinance on Hazardous Substances and by the relevant EC Directives (67/548/EEC and 88/379/EEC), as amended at the time of issuing the data sheet.

15.2. Chemical safety assessment

Not relevant.

SECTION 16: Other information

Subs. 1: From safety data sheets for the individual components.

Safety data sheet as at 31.07.2017.

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A.I. Schulze Chemotechnische Fabrik e.K.
Inh. Dieter Bartkowiak
Company address:
Johannes-Robert-Becher-Strasse 39
02827 GOERLITZ
GERMANY

Volksbank Niederschlesien eG
IBAN DE33 8559 1000 4562 1358 00
SWIFT-Code GENODEF1GR1
VAT ref. no. DE812553785

Tel. +49 3581 75005-0
Fax +49 3581 75005-20
email: info@a-i-schulze.com
Web: www.a-i-schulze.com
Register court: Amtsgericht Dresden
HRA 7441