

MATERIALS SAFETY DATA SHEET ACCORDING TO 91/155/EEC (UPDATE:93/112/EG) CHANGED ON 93/112/EG und 2001/58/EG

Date: 01.10.2009 **Page 1 of 3** replaces all MSDS

You can find the actual version on the website:

The instructions above are based on the present status of our knowledge and experience. The safety data sheet describes our product from the viewpoint of safety requirements and does not represent an assurance of properties. It is the consignee's own responsibility to observe the existing laws and regulations.

1. PRODUCT AND COMPANY IDENTIFICATION

PART NUMBER: 51001

TRADE NAME: BIRKOSIT - Dichtungskitt®

USING FORM: SEALING OF METALLIC JOINTS

COMPANY: A.I. SCHULZE

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Preparation on the basis of a modified organic resin and a mineral paraffin oil.

The preparation contains inorganic and organic additives.

2.1 The product contains the following relevant components

2.2 Characterisation of relevant ingredients according to 2.1:

CAS- No.	DESIGNATION:	EWG-No.	Index-No.	Symbols	R&S-phrases
8001-26-1	linseed oil varnish	-	-	-	-
1309-37-1	Synthetic Iron Oxide	-	-	-	-

3. HAZARDS IDENTIFICATION

When working in compliance with the usual regulations for industrial hygiene, the handling of the product does not involve any special risk.

If the usual regulations for waste disposal are observed (see Chapter 13) this product does not present any significant danger for the environment.

4. FIRST AID MEASURES

4.1 General comments: inhalation is not a primary mode of exposure. The measures mentioned under this heading are of a general nature.

4.2 Eye contact: with well opened eyelids, rinse the eye thoroughly and continuously, if irritation persists see a doctor.

4.3 Skin contact: remove the product, so far as possible, with a clean, soft cloth, wash skin areas thoroughly and continuously with soap and water.

4.4 Swallowing: have the person in question treated by a doctor if necessary.

4.5 Inhalation: get the person affected into fresh air, see a doctor if the person feels persistently nauseous.

4.6 Information for the doctor: no special treatments are known. Treat according to symptoms.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing agents: CO₂ -, powder, foam extinguisher, water in a spray jet.

Extinguishing agents unsuitable for safety reasons: Water in a full jet.

Special dangers of the product or its combustion products:

Due to the fact that the product is sold only in small packages, no special dangers are to be expected under normal circumstances. The product is flammable. During the combustion or thermal decomposition of the product, health damaging and irritating gases and vapours are liberated.

Special protective equipment or measures during firefighting:

The measures described in the following refer only to large fires. Cool containers exposed to fire with water with a spray jet. In case of fire, put on a breathing apparatus that does not depend on circulating air and protective clothing. If possible, retain and dispose of water used for fire-fighting.

6. ACCIDENTAL RELEASE MEASURES

Collect undamaged small packages (cans, tubes, etc.). If larger product quantities leaked due to damage to small packages, wear protective equipment (see item 8.3) and close drains. Otherwise, take up any leaked/spilled remnants with a dry absorption agent (sand, dirt, a universal binder, etc.) and dispose of as described in item 13. Clean the floor thoroughly.

7. HANDLING AND STORAGE

7.1 Handling: process product only in well ventilated workrooms. Do not smoke while processing the product. Carefully observe the instructions for use.

7.2 Storage: The following measures relate to major sizes of the product. Store product in cool and dry conditions, in tightly closed original packages. In the event of leakage, use appropriate measures to prevent the product from contaminating the sewerage system or water courses. Do not store product close to food, beverages or animal fodder. Store product out of the reach of children. Observe the storage group for the storage of large product quantities or for bulk storage.

Storage group: 11 Storage group concept of the (German) Chemical Industry Confederation (1991)

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Special Technical Installations:

Beyond point 7, no further measures are required.

8.2 Components subject to limit values at the workplace:

This product does not contain any components subject to limit values at the workplace.

8.2.1 Work hygiene and personal protection:

Do not eat, drink or smoke at the workplace. Avoid repeated/continuous contact with the product. Change dirty work clothes and clean thoroughly before reuse. Do not rub eyes with dirty hands.

Wash hands after work and before using the toilet.

Respiratory protection: not required

Eye protection: protective goggles closed at the sides (not obligatory, but recommended)

Hand protection: protective gloves made out of synthetic material (not obligatory, but recommended)

Body protection: work clothes

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Form: at 20 °C viscous

Colour: dyed

Odour: characteristic

9.2 Density: (25°C) approx. 1.1 g/cm³

Filling density: (20°C) not applicable

Vapour pressure: (20°C) < 1 hPa

Viscosity: (25°C) no details given

Solubility in water: (20°C) practically insoluble

Fat-solubility: partially miscible with conventional, organic solvents

pH-Value: not applicable

Flash point: no details given

Ignition temperature: no details given

Explosion limits: no limits

Partition coefficient n-octanol/water, log POW: not applicable

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid: the product is very stable at room temperature.

10.2 Materials to avoid: strong oxidising agents

10.3 Dangerous decomposition products: during combustion/thermal decomposition of the product carbon monoxide, carbon dioxide and inorganic oxides are produced.

11. TOXICOLOGICAL INFORMATION

Where the usual regulations for the industrial work hygiene are observed the handling of the product does not present any special risk (Lit 1).

LD/LC50 values that are relevant for classification:

Oral LD50 4986 mg/kg (rat)

12. ECOLOGICAL INFORMATION

Do not allow product to escape into environment. Decant and clarify polluted sewage before discharging into sewer system.

Water pollution classification: WGK 1 = less water pollution, agreement of German water right (according to the publication of VwVwS of 17 May 1999, leading over from omitted WKG 0)

13. DISPOSAL CONSIDERATIONS

Empty container (cans, tubes, etc.) thoroughly and pass them to the regular recycling procedure. Consumers may dispose of small quantities of product remnants properly by handing them over to the local hazardous waste institutions (hazardous materials vehicles). Professional users must dispose of the product according to the following disposal key number.

Disposal key no: 559 07 cements and fillers, not hardened

14. TRANSPORT REGULATIONS

IMDG Code:	-	UN-NR.:	-	ICAO/IATA:	-
DANGEROUS:	-	RID/ADR:	-	ADNR:	-
KEMLER	-	MFAG:	-	EMS:	-
FIGURE:					
TREMCARD:	-	IATA-SEITE:	-	VERP-GRUPPE:	-
GEF.-ZETTEL:	-	MARINE-POL.:	-	IMDG-LABEL:	-
				SKZ-NR.:	-

This product is not subject to the dangerous goods transport regulations.

15. REGULATORY INFORMATION

This product is **not a dangerous working material** according to the dangerous material decree and the relevant EU Directives (67/548/EEC and 88/379/EEC), in their respectively current versions at the time of drawing up the safety data sheet

16. OTHER INFORMATION

Lit 1: Derivation from the safety data sheets of the individual components.

The following items in the data sheet were changed with respect to the MSDS of APRIL 09, 1996: items 1, 2, 9, 11, 12, 13 and 15
