

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



Printing date 14.01.2016

Version: 6 (GB)

Revision: 14.01.2016

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

1.1 Product identifierTrade name: **Dach-Dicht****1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

Application of the substance / the preparation: Sealing compound**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Knauf Bauprodukte GmbH & Co. KG

Postfach 10

97343 Iphofen

Deutschland

Tel +49 (0)9323/31-0

Fax +49 (0)9323/31-323

Further information obtainable from:

Technical information service

Tel +49 (0)1805/31-9000 (14 cents / min. from the German network; mobile telephone prices may differ)

E-mail KnaufBP-Direkt@Knauf-Bauprodukte.de

1.4 Emergency telephone number:

Hotline for symptoms of poisoning and embryonic toxicology, Berlin

Tel +49 (0)30-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture**Classification according to Regulation (EC) No 1272/2008**

GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS02 GHS07

Signal word Warning**Hazard-determining components of labelling:**

n-butyl acetate

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Trade name: Dach-Dicht**Hazard statements**

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P271 Use only outdoors or in a well-ventilated area.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
Rinse skin with water/shower.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local/regional/national/
international regulations.**Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

Components of the product may be absorbed into the body by inhalation.

Fumes can combine with air to form an explosive mixture.

Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients**Chemical characterisation: Mixtures****Description:**

Synthetic rubber (polymer mix) and auxiliaries with the following hazardous ingredients.

Dangerous components:

| | | |
|--------------------------------|--|---------|
| CAS: 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic | 25-50% |
| EINECS: 265-157-1 | ☠ Asp. Tox. 1, H304 | |
| Reg.nr.: 01-2119484627-25-XXXX | | |
| CAS: 123-86-4 | n-butyl acetate | 10-<25% |
| EINECS: 204-658-1 | ☠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336 | |
| Reg.nr.: 01-2119485493-29-XXXX | | |

Additional information: For the wording of the listed risk phrases refer to section 16.**Remark:** Materials with a threshold value for exposure in the workplace – see point 8.**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

Take affected persons out of danger area and lay down.

Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air and to be sure call for a doctor.**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

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Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Headache
Unconsciousness
Breathing difficulty
Dizziness
throw up
Nausea
Coughing

4.3 Indication of any immediate medical attention and special treatment needed

Pulmonary edema, effects on the central nervous system.
Sustained or repeated contact can have a degreasing effect and cause dermatitis.
Treat symptomatically.

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| SECTION 5: Firefighting measures |
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General information: Keep unauthorized person at a distance.

5.1 Extinguishing media

Suitable extinguishing agents: Water spray, foam, dry powder, carbon dioxide.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide (CO)
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)

5.3 Advice for firefighters Do not inhale explosion gases or combustion gases.

Protective equipment: Wear self-contained respiratory protective device.

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| SECTION 6: Accidental release measures |
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6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Avoid contact with skin and eyes.

Ensure adequate ventilation

Keep ignition sources away - Do not smoke.

Use respiratory protective device against the effects of fumes/dust/aerosol.

6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

Do not allow to enter sewers / surface or ground water.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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Trade name: **Dach-Dicht****SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Ensure good ventilation / exhaustion at the workplace.

Open and handle receptacle with care.

Avoid contact with the eyes and skin.

Wash hands before breaks and at the end of work.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Emergency cooling must be available in case of nearby fire.

Fumes can combine with air to form an explosive mixture.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

7.2 Conditions for safe storage, including any incompatibilities**Requirements to be met by storerooms and receptacles:** No special requirements.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:**

Keep container tightly sealed.

Store in a cool place.

Store receptacle in a well ventilated area.

Protect from heat and direct sunlight.

7.3 Specific end use(s) No further relevant information available.**SECTION 8: Exposure controls/personal protection****Additional information about design of technical facilities:** No further data; see item 7.**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****CAS: 123-86-4 n-butyl acetate**WEL Short-term value: 966 mg/m³, 200 ppmLong-term value: 724 mg/m³, 150 ppm**CAS: 7631-86-9 silicon dioxide, chemically prepared**WEL Long-term value: 6 mg/m³ inhalable aerosolLong-term value: 2,4 mg/m³ respirable aerosol**Remark** A = alveolar fraction, E = inhalable fraction**Additional information:** The lists valid during the making were used as basis.**8.2 Exposure controls****General protective and hygienic measures:**

Avoid contact with the eyes and skin.

Wash hands before breaks and at the end of work.

Immediately remove all soiled and contaminated clothing

Do not inhale gases / fumes / aerosols.

Do not eat, drink, smoke or sniff while working.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A

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Trade name: Dach-Dicht**Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Butyl rubber, BR

Recommended thickness of the material: $\geq 0,3$ mm

Nitrile rubber, NBR

Recommended thickness of the material: $\geq 0,9$ mm**Penetration time of glove material**

Protection Index 3; permeation according to EN 374: > 60min

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Gloves should be removed and changed immediately in case of decomposition or chemical permeability.

Eye protection:

Tightly sealed goggles

Body protection: Protective work clothing

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| SECTION 9: Physical and chemical properties |
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9.1 Information on basic physical and chemical properties**General Information****Appearance:**

| | |
|------------------|---------------------|
| Form: | Pasty |
| Colour: | Various colours |
| Odour: | Characteristic |
| pH-value: | 6,2 (n-Butylacetat) |

Change in condition

| | |
|-------------------------------------|----------------------------------|
| Melting point/Melting range: | Not applicable. |
| Boiling point/Boiling range: | 126 °C (solvent n-butyl acetate) |

Flash point: 27 °C (solvent n-butyl acetate)

Flammability (solid, gaseous): Not determined.

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

Self-igniting: Not determined.

Explosion limits:

| | |
|---------------|-------------------------------------|
| Lower: | 1.2 Vol % (solvent n-butyl acetate) |
| Upper: | 7.5 Vol % (solvent n-butyl acetate) |

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|---|--|
| Vapour pressure at 20 °C: | 15 mbar (n-Butylacetat) |
| Density at 20 °C: | 0,93 g/cm ³ |
| Relative density | Not determined. |
| Vapour density at 20 °C | 4 (Luft = 1) (n-Butylacetat) |
| Evaporation rate | Not determined. |
| Solubility in / Miscibility with water: | Insoluble. |
| Partition coefficient (n-octanol/water): | Not applicable. |
| Viscosity: | |
| Dynamic at 20 °C: | 15000 mPas |
| Kinematic: | Not determined. |
| Solvent content: | |
| Organic solvents: | ca. 24 % (n-butyl acetate) |
| VOC (EC) | ca. 24 % |
| 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity**10.1 Reactivity** No further relevant information available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Fumes can combine with air to form an explosive mixture.

10.4 Conditions to avoid No further relevant information available.**10.5 Incompatible materials:**

Strong acids, strong alkaline solutions.

Strong oxidation agents.

10.6 Hazardous decomposition products: Thermal decomposition refer to 5.**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values relevant for classification:**

LD50 rat (oral): 10760 mg/kg OECD 423

LD50 rabbit (dermal): > 14000 mg/kg OECD 402

Primary irritant effect:**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.**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**Additional toxicological information:** Narcotic effect when inhaled.**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)****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.

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Trade name: **Dach-Dicht****STOT-single exposure**

May cause drowsiness or dizziness.

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.**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****CAS: 123-86-4 n-butyl acetate**

EC50/48 h 44 mg/l (daphnia)

LC50/96 h 18 mg/l (fish) (OECD 203)

12.2 Persistence and degradability

(n-butyl acetate)

Biodegradability 83% in 28 days.

12.3 Bioaccumulative potential No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13 Waste treatment methods****Recommendation** Disposal must be made according to official regulations.**European waste catalogue**

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

Uncleaned packaging:**Recommendation:**

Packaging waste code: 15.01.02

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information**14.1 UN-Number**

ADR, IMDG, IATA

UN1133

14.2 UN proper shipping name

ADR

UN1133

IMDG, IATA

ADHESIVES

14.3 Transport hazard class(es)

ADR, IMDG

Class

Void

IATA

Class

3 Flammable liquids.

Label

3

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Trade name: **Dach-Dicht****14.4 Packing group****ADR, IMDG**

Void

IATA

III

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II**of Marpol and the IBC Code**

Not applicable.

UN "Model Regulation":

UN1133, ADHESIVES

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations:****Information about limitation of use:**

Employment restrictions concerning pregnant and lactating women must be observed.

Employment restrictions concerning juveniles must be observed.

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.**Information VOC-Guideline:****Guideline 2004/42/EC (Decopaint-Guideline), ChemVOCFarbV:****VOC of EU:** 24.00 %**VOC of EU in g/l:** 223.2 g/l**VOC of Switzerland:** 24.00 %**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

Department issuing MSDS: Knauf Gips KG, Abteilung Nachhaltigkeit und REACH, 97343 Iphofen**Contact:** Technical information service (see point 1)**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids, Hazard Category 3

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

*** Data compared to the previous version altered.**