

## Safety data sheet

### according to 1907/2006/EC, Article 31





Version number 2

Revision: 20.08.2018

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

- **1.1 Product identifier**
- **Article number and trade name: 80017 BIZOL Gasket Remover+ c37**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Paint remover
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
DK QN'I gto cp{ 'I o dJ  
Mctvlp/Dwdgt/Ukt034  
14163 Berlin  
Germany  
Tel: +49 30 804 869-0  
Fax: +49 30 804 869-22
- **Further information obtainable from:**  
Product safety department  
Tel.: +49 30 804 869-0  
E-Mail: support@bizol.de
- **1.4 Emergency telephone number:** Giftnotruf Nord +49 551 192 40

#### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
-  GHS02 flame  
 Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
-  GHS07  
 Eye Irrit. 2 H319 Causes serious eye irritation.  
 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** Danger
- **Hazard-determining components of labelling:**  
acetone  
n-butyl acetate  
1-methoxy-2-propanol
- **Hazard statements**  
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

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- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P261 Avoid breathing vapours or spray.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves / eye protection / face protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
- P501 Dispose of contents/container to hazardous or special waste collection point.

**Additional information:**

- EUH066 Repeated exposure may cause skin dryness or cracking.
- Buildup of explosive mixtures possible without sufficient ventilation.

**2.3 Other hazards**
**Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

**3.2 Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

|  |  |         |
|--|--|---------|
| CAS: 115-10-6<br>EINECS: 204-065-8<br>Reg.nr.: 01-2119472128-37-xxxx | dimethyl ether<br>⚠ Flam. Gas 1, H220; Press. Gas (Comp.), H280        | 25-<50% |
| CAS: 67-64-1<br>EINECS: 200-662-2<br>Reg.nr.: 01-2119471330-49-xxxx  | acetone<br>⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 | 25-<50% |
| CAS: 123-86-4<br>EINECS: 204-658-1<br>Reg.nr.: 01-2119485493-29-xxxx | n-butyl acetate<br>⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336             | 10-<20% |
| CAS: 107-98-2<br>EINECS: 203-539-1<br>Reg.nr.: 01-2119457435-35-xxxx | 1-methoxy-2-propanol<br>⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336        | 5-<10%  |
| CAS: 108-94-1<br>EINECS: 203-631-1                                   | cyclohexanone<br>⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H332            | 2.5-<5% |
| CAS: 112-34-5<br>EINECS: 203-961-6                                   | 2-(2-butoxyethoxy)ethanol<br>⚠ Eye Irrit. 2, H319                      | 2.5-<5% |

**Regulation (EC) No 648/2004 on detergents / Labelling for contents**

- |   |     |
|---|-----|
| aliphatic hydrocarbons, non-ionic surfactants, METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE | <5% |
|---|-----|

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

**4.1 Description of first aid measures**
**After inhalation:**

- Supply fresh air; consult doctor in case of complaints.

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Take affected persons into fresh air and keep quiet.

**· After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Immediately remove any clothing soiled by the product.

**· After eye contact:**

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

**· After swallowing:** Do not induce vomiting; call for medical help immediately.**· 4.2 Most important symptoms and effects, both acute and delayed**

Breathing difficulty

Headache

Dizziness

Dizziness

Nausea

**· 4.3 Indication of any immediate medical attention and special treatment needed**

If swallowed or in case of vomiting, danger of entering the lungs.

Later observation for pneumonia and pulmonary oedema.

**SECTION 5: Firefighting measures****· 5.1 Extinguishing media****· Suitable extinguishing agents:**

Foam

Fire-extinguishing powder

Carbon dioxide

**· For safety reasons unsuitable extinguishing agents:** Water with full jet**· 5.2 Special hazards arising from the substance or mixture**

Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire.

**· 5.3 Advice for firefighters****· Protective equipment:** Wear self-contained respiratory protective device.**· Additional information**

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

**· 6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

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

**· 6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

**· 6.4 Reference to other sections** See Section 13 for disposal information.

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### SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.  
Avoid contact with skin and eyes.

· **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.  
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Observe official regulations on storing packagings with pressurised containers.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** 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.

· **Ingredients with limit values that require monitoring at the workplace:**

**CAS: 115-10-6 dimethyl ether**

|     |   |
|-----|---|
| WEL | Short-term value: 958 mg/m <sup>3</sup> , 500 ppm<br>Long-term value: 766 mg/m <sup>3</sup> , 400 ppm |
|-----|---|

**CAS: 67-64-1 acetone**

|     |  |
|-----|--|
| WEL | Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm<br>Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm |
|-----|--|

**CAS: 123-86-4 n-butyl acetate**

|     |   |
|-----|---|
| WEL | Short-term value: 966 mg/m <sup>3</sup> , 200 ppm<br>Long-term value: 724 mg/m <sup>3</sup> , 150 ppm |
|-----|---|

**CAS: 107-98-2 1-methoxy-2-propanol**

|     |   |
|-----|---|
| WEL | Short-term value: 560 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 375 mg/m <sup>3</sup> , 100 ppm<br>Sk |
|-----|---|

**CAS: 108-94-1 cyclohexanone**

|     |   |
|-----|---|
| WEL | Short-term value: 82 mg/m <sup>3</sup> , 20 ppm<br>Long-term value: 41 mg/m <sup>3</sup> , 10 ppm<br>Sk, BMGV |
|-----|---|

**CAS: 112-34-5 2-(2-butoxyethoxy)ethanol**

|     |  |
|-----|--|
| WEL | Short-term value: 101.2 mg/m <sup>3</sup> , 15 ppm<br>Long-term value: 67.5 mg/m <sup>3</sup> , 10 ppm |
|-----|--|

· **Ingredients with biological limit values:**

**CAS: 108-94-1 cyclohexanone**

|      |  |
|------|--|
| BMGV | 2 mmol/mol creatinine<br>Medium: urine<br>Sampling time: post shift<br>Parameter: cyclohexanol |
|------|--|

· **Additional information:** The lists valid during the making were used as basis.

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- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing
  - Wash hands before breaks and at the end of work.
  - Avoid contact with the eyes and skin.
- **Respiratory protection:**
  - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Recommended filter device for short term use:** Filter AX
- **Protection of hands:**



Protective gloves

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

- **Material of gloves**
  - Butyl rubber, BR
  - (EN 374)
  - Recommended thickness of the material:  $\geq 0.7$  mm
- **Penetration time of glove material**
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
  - $\geq 10$  min
- **Eye protection:**



Tightly sealed goggles

- (EN 166)
- **Body protection:**
  - Solvent resistant protective clothing
  - (EN 13034-6)

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

|         |         |
|---------|---------|
| Form:   | Aerosol |
| Colour: | Pink    |
- **Odour:** Acetone-like
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**

|  |                             |
|--|-----------------------------|
| Melting point/freezing point:            | Undetermined.               |
| Initial boiling point and boiling range: | Not applicable, as aerosol. |
- **Flash point:** Not applicable, as aerosol.
- **Flammability (solid, gas):** Not applicable.
- **Ignition temperature:**  $>200$  °C

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|  |  |
|--|--|
| · <b>Decomposition temperature:</b>              | Not determined.                            |
| · <b>Auto-ignition temperature:</b>              | Not determined.                            |
| · <b>Explosive properties:</b>                   | Not determined.                            |
| · <b>Explosion limits:</b>                       |  |
| <b>Lower:</b>                                    | Not determined.                            |
| <b>Upper:</b>                                    | Not determined.                            |
| · <b>Vapour pressure:</b>                        | Not determined.                            |
| · <b>Density at 20 °C:</b>                       | 0.76766 g/cm <sup>3</sup>                  |
| · <b>Relative density</b>                        | Not determined.                            |
| · <b>Vapour density</b>                          | Not determined.                            |
| · <b>Evaporation rate</b>                        | Not applicable.                            |
| · <b>Solubility in / Miscibility with water:</b> | Not miscible or difficult to mix.          |
| · <b>Partition coefficient: n-octanol/water:</b> | Not determined.                            |
| · <b>Viscosity:</b>                              |  |
| <b>Dynamic:</b>                                  | Not determined.                            |
| <b>Kinematic:</b>                                | Not determined.                            |
| <b>Organic solvents:</b>                         | 96.4 %                                     |
| <b>Water:</b>                                    | 1.7 %                                      |
| <b>VOC (EC)</b>                                  | 749.8 g/l                                  |
| <b>Solids content:</b>                           | 0.0 %                                      |
| · <b>9.2 Other information</b>                   | 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 according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

### 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:

##### ATE (Acute Toxicity Estimates)

|            |          |                       |
|------------|----------|-----------------------|
| Oral       | LD50     | 51,223 mg/kg (rat)    |
| Dermal     | LD50     | 31,635 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 100 mg/l (rat)        |

#### CAS: 108-94-1 cyclohexanone

|            |          |               |
|------------|----------|---------------|
| Inhalative | LC50/4 h | 11 mg/l (ATE) |
|------------|----------|---------------|

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- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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.
- **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:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **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

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

|           |   |
|-----------|---|
| 16 05 04* | gases in pressure containers (including halons) containing hazardous substances |
| 15 01 04  | metallic packaging  |

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR/RID/ADN, IMDG, IATA** UN1950
- **14.2 UN proper shipping name**
- **ADR/RID/ADN** UN1950 AEROSOLS
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable

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· **14.3 Transport hazard class(es)**

· **ADR/RID/ADN**



· **Class** 2 5F Gases.  
 · **Label** 2.1

· **IMDG, IATA**



· **Class** 2.1  
 · **Label** 2.1

· **14.4 Packing group**

· **ADR/RID/ADN, IMDG, IATA** Void

· **14.5 Environmental hazards:**

· **Marine pollutant:** No

· **14.6 Special precautions for user**

· **Danger code (Kemler):** -  
 · **EMS Number:** F-D,S-U  
 · **Stowage Code** SW1 Protected from sources of heat.  
 SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.  
 · **Segregation Code** SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

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

Not applicable.

· **Transport/Additional information:**

· **ADR/RID/ADN**

· **Limited quantities (LQ)** 1L  
 · **Excepted quantities (EQ)** Code: E0  
 Not permitted as Excepted Quantity

· **Transport category**

2

· **Tunnel restriction code**

D

· **IMDG**

· **Limited quantities (LQ)** 1L  
 · **Excepted quantities (EQ)** Code: E0  
 Not permitted as Excepted Quantity

· **UN "Model Regulation":**

UN 1950 AEROSOLS, 2.1

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#### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category P3a** FLAMMABLE AEROSOLS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 40
- **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**  
 H220 Extremely flammable gas.  
 H225 Highly flammable liquid and vapour.  
 H226 Flammable liquid and vapour.  
 H280 Contains gas under pressure; may explode if heated.  
 H319 Causes serious eye irritation.  
 H332 Harmful if inhaled.  
 H336 May cause drowsiness or dizziness.
- **Department issuing SDS:** Product Safety department.
- **Contact:** support@bizol.de
- **Abbreviations and acronyms:**  
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 ICAO: International Civil Aviation Organisation  
 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)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 Flam. Gas 1: Flammable gases – Category 1  
 Aerosol 1: Aerosols – Category 1  
 Press. Gas (Comp.): Gases under pressure – Compressed gas  
 Flam. Liq. 2: Flammable liquids – Category 2  
 Flam. Liq. 3: Flammable liquids – Category 3  
 Acute Tox. 4: Acute toxicity – Category 4  
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- **\* Data compared to the previous version altered.**

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