

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



F21.0001
Version 1.0

Flexonal VR80 765 (all types)
Revision date 01-Nov-2022

Print date 01-Nov-2022

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

1.1 Product identifier

F21.0001 Flexonal VR 80 765 (all types)

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

Manufacture of plastics products, including compounding and conversion

1.3 Details of the supplier of the safety data sheet Supplier

Bachmann Kunststoff Technologien GmbH

Rudolf-Diesel-Str. 2
63322 Rödermark
Deutschland

Telephone: +49 6074 94394
Telefax: +49 6074 98544
E-mail:
service@bktgermany.com
Website: www.bktgermany.com

Department responsible for information

E-mail (competent person) service@bktgermany.com
Telephone +49 6074 94394
Only available during office hours.

1.4 Emergency telephone number

Emergency telephone number +49 6131 19240

SECTION 2: Hazards identification

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms not applicable

Signal word not applicable

Hazard statements not applicable

Precautionary statements not

applicable **Hazard components**

for labelling not applicable

Supplemental hazard information

EUH210 Safety data sheet available on request.

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description mixture of polyols, cross-linkers, catalysts, additives, where applicable

colour-paste

Hazardous ingredients

| CAS No. EC No. Index No. | Substance name REACH No. Classification according to Regulation (EC) No 1272/2008 [CLP] | weight-% |
|--------------------------------|---|------------|
| 111-46-6 203-872-2 | 2,2'-oxybisethanol; diethylene glycol 01-2119457857-21 | 5,0 < 10,0 |

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



F21.0001
Version 1.0

Flexonal VR80 765 (all types)
Revision date 01-Nov-2022

Print date 01-Nov-2022

| | | |
|----------------------------|--|------------|
| 603-140-00-6 | Acute Tox. 4 H302 | |
| 110-63-4 203-786-5 - | 1,4-Butandiol 01-2119471849-20 Acute Tox. 4 H302 / STOT SE 3 H336 | 5,0 < 10,0 |

Remark

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

Self-protection of the first aider

First aider: Pay attention to self-protection!

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

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3 Indication of any immediate medical attention and special treatment needed

No special measures are necessary.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media alcohol resistant foam, Carbon dioxide (CO₂), Powder, spray mist, (water), Water spray jet

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

Hazardous combustion products

In case of fire may be liberated: carbon monoxide, carbon dioxide, Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ventilate affected area. Do not breathe vapours. Avoid contact with eyes and skin. Wear suitable gloves.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



F21.0001
Version 1.0

Flexonal VR80 765 (all types)
Revision date 01-Nov-2022

Print date 01-Nov-2022

6.3 Methods and material for containment and cleaning up For containment

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

For cleaning up

Clean using cleansing agents. Do not use solvents.

6.4 Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1 Precautions for safe handling Advices on safe handling

Avoid contact with skin, eyes and clothes. Personal protection equipment: see section 8. Follow the legal protection and safety regulations. Always close containers tightly after the removal of product.

Advices on general occupational hygiene

When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C.

7.3 Specific end use(s)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

| CAS No. | Substance name | Source | Long-term /short-term (Spitzenbegrenzung) |
|----------|---------------------------------------|--------|---|
| 111-46-6 | 2,2'-oxybisethanol; diethylene glycol | WEL | 101 / - (-) mg/m ³ |

Additional information

Long-term: Long-term occupational exposure limit value short-

term: short-term occupational exposure limit value

Biological limit values

No data available

8.2 Exposure controls

Provide good ventilation. This can be achieved with local or room suction. Street clothing should be stored separately from work clothing.

Personal protection equipment

Respiratory protection

Usually no personal respirative protection necessary.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Combination filtering device Filter type: ABEK-P2

Hand protection

Suitable material: Butyl caoutchouc (butyl rubber)

Thickness of the glove material: >= 0,4 mm

Breakthrough time:: >= 480 min

Suitable material: PVC (polyvinyl chloride)

Thickness of the glove material: >= 0,4 mm

Breakthrough time:: >= 480 min

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



F21.0001
Version 1.0

Flexonal VR80 765 (all types)
Revision date 01-Nov-2022

Print date 01-Nov-2022

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin.
Recommended glove articles: EN ISO 374

Skin protection

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Eye glasses with side protection

Body protection

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

| | |
|----------------|--------|
| Physical state | Liquid |
| Colour | cloudy |

Safety characteristics

| | |
|---|---------------------------|
| Odour | characteristic |
| Odour threshold | not determined |
| pH | not determined |
| Melting point/freezing point | not determined |
| Initial boiling point and boiling range | not determined |
| Flash point | > 100 °C |
| Evaporation rate at 20°C | not determined |
| Burning time | not applicable |
| Lower explosion limit at 20°C | not determined |
| Upper explosion limit at 20°C | not determined |
| Vapour pressure at 20°C | 0,01 mbar |
| Density at 20°C | 1,018 kg/l |
| Water solubility at 20°C | completely miscible |
| Partition coefficient: n-octanol/water | see section 12 |
| Ignition temperature in °C | not determined |
| Decomposition temperature | not determined |
| Viscosity | 974,37 mm ² /s |
| Explosive properties | not relevant |
| Oxidising properties | not relevant |

9.2 Other information

not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3 Possibility of hazardous reactions

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



F21.0001
Version 1.0

Flexonal VR80 765 (all types)
Revision date 01-Nov-2022

Print date 01-Nov-2022

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4 Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: Carbon dioxide (CO₂), Carbon monoxide, smoke, Nitrogen oxides (NO_x).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/eye 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.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

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.

Practical experience/human evidence

Splashing may cause eye irritation and reversible damage. Ingestion may cause nausea, weakness and affect the central nervous system.

SECTION 12: Ecological information

12.1 Toxicity

Based on available data, the classification criteria are not met.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods Product/Packaging disposal

Do not empty into drains; dispose of this material and its container in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



F21.0001
Version 1.0

Flexonal VR80 765 (all types)
Revision date 01-Nov-2022

Print date 01-Nov-2022

Waste codes/waste designations according to EWC/AVV

070208* - other still bottoms and reaction residues

Other disposal recommendations

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

14.1 UN number

not applicable

14.2 UN proper shipping name Land transport (ADR/RID)

No dangerous good in sense of these transport regulations.

Sea transport (IMDG)

No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI / IATA-DGR)

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

not applicable

14.4 Packing group

not applicable

14.5 Environmental hazards

Land transport (ADR/RID) not applicable

Sea transport (IMDG) not applicable

14.6 Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage. Advices on safe handling: see parts 6 - 8

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code No

transport as bulk according to IBC Code.

14.8 Additional information

Land transport (ADR/RID)

not applicable

Sea transport (IMDG)

not applicable

Air transport (ICAO-TI / IATA-DGR)

not applicable

SECTION 15: Regulatory information

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

EU legislation

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

Hazard categories / Named dangerous substances

This product is not classified according to Directive 2012/18/EU.

National regulations

Substance/product listed in the following inventories

TSCA - United States of America

15.2 Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



F21.0001
Version 1.0

Flexonal VR80 765 (all types)
Revision date 01-Nov-2022

Print date 01-Nov-2022

| REACH No. | Substance name |
|------------------|--|
| 01-2119471849-20 | 1,4-Butandiol |
| 01-2119457857-21 | 2,2' -oxybisethanol; diethylene glycol |

SECTION 16: Other information

Relevant R-, H- and EUH-phrases (Number and full text)

H302 Harmful if swallowed.

H336 May cause drowsiness or dizziness.

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

not applicable **Abbreviations and acronyms**

See overview table at www.euphrac.eu

Indication of changes

* Data changed compared with the previous version.