

EC safety data sheet

Trade name: Bizol DPF Regeneration +d61

Product no.: 53-1178

Current version : 2.0.0, issued: 25.04.2019

Replaced version: 1.0.0, issued: 17.04.2019

Region: GB

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

1.1 Product identifier

Trade name

Bizol DPF Regeneration +d61

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

Relevant identified uses of the substance or mixture

Additive for mineral oil products

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

Bizol Germany GmbH
Martin-Buber-Straße 12
14163 Berlin
Germany

Telephone no. +49 (0) 30 80 48 69-0

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Chronic 3; H412

Asp. Tox. 1; H304

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms



GHS08

Signal word

Danger

Hazardous component(s) to be indicated on label:

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)

Hazard statement(s)

H304

May be fatal if swallowed and enters airways.

H412

Harmful to aquatic life with long lasting effects.

Hazard statements (EU)

EUH066

Repeated exposure may cause skin dryness or cracking.

EC safety data sheet

Trade name: Bizol DPF Regeneration +d61

Product no.: 53-1178

Current version : 2.0.0, issued: 25.04.2019

Replaced version: 1.0.0, issued: 17.04.2019

Region: GB

Precautionary statement(s)

P301+P310

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331

Do NOT induce vomiting.

2.3 Other hazards

PBT assessment

No data available.

vPvB assessment

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

| No | Substance name | | Additional information | |
|----|--|--|------------------------|--------|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration | % |
| 1 | Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | | | |
| | - 925-653-7 - 01-2119458869-15 | EUH066 Asp. Tox. 1; H304 Aquatic Chronic 3; H412 | >= 25.00 - < 50.00 | %-b.w. |
| 2 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | | | |
| | - 920-360-0 - 01-2119448343-41 | Asp. Tox. 1; H304 EUH066 | >= 25.00 - < 50.00 | %-b.w. |
| 3 | hydrocarbons, C10, aromatics, <1% naphthalene | | | |
| | - 918-811-1 - 01-2119463583-34 | Aquatic Chronic 2; H411 Asp. Tox. 1; H304 EUH066 STOT SE 3; H336 | < 5.00 | %-b.w. |
| 4 | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics | | | |
| | - 918-481-9 - - | Asp. Tox. 1; H304 | < 2.50 | %-b.w. |
| 5 | ferrocene | | | |
| | 102-54-5 203-039-3 - - | Acute Tox. 4; H302 Acute Tox. 4; H332 Aquatic Chronic 1; H410 Flam. Sol. 1; H228 Repr. 1B; H360 STOT RE 2; H373 | < 0.50 | %-b.w. |

Full Text for all H-phrases and EUH-phrases: pls. see section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position. In case of persisting adverse effects, consult a physician.

EC safety data sheet

Trade name: Bizol DPF Regeneration +d61

Product no.: 53-1178

Current version : 2.0.0, issued: 25.04.2019

Replaced version: 1.0.0, issued: 17.04.2019

Region: GB

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

In case of contact with skin wash off immediately with soap and water.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

After ingestion

Do not induce vomiting - aspiration hazard. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious, place in recovery position (on left side, with head down).

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet; Foam; Carbon dioxide; Extinguishing powder

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon dioxide (CO₂); Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away sources of ignition.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far as it is possible by the state of the art.

EC safety data sheet

Trade name: Bizol DPF Regeneration +d61

Product no.: 53-1178

Current version : 2.0.0, issued: 25.04.2019

Replaced version: 1.0.0, issued: 17.04.2019

Region: GB

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Recommended storage temperature

Value < 50 °C

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container. Protect from heat and direct sunlight.

Advice on storage assembly

Do not store together with: Acids; Alkalies; oxidizing agents

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL, DMEL and PNEC values

DNEL values (worker)

| No | Substance name | | | CAS / EC no |
|----|---|---------------------|----------|-----------------------|
| | Route of exposure | Exposure time | Effect | Value |
| 1 | hydrocarbons, C10, aromatics, <1% naphthalene | | | - 918-811-1 |
| | dermal | Long term (chronic) | systemic | 12.5 mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 151 mg/m ³ |

DNEL value (consumer)

| No | Substance name | | | CAS / EC no |
|----|---|---------------------|----------|----------------------|
| | Route of exposure | Exposure time | Effect | Value |
| 1 | hydrocarbons, C10, aromatics, <1% naphthalene | | | - 918-811-1 |
| | oral | Long term (chronic) | systemic | 7.5 mg/kg/day |
| | dermal | Long term (chronic) | systemic | 7.5 mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 32 mg/m ³ |

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. combination filter

Respirator EN14387-A

Eye / face protection

Safety glasses with side protection shield (EN 166)

EC safety data sheet

Trade name: Bizol DPF Regeneration +d61

Product no.: 53-1178

Current version : 2.0.0, issued: 25.04.2019

Replaced version: 1.0.0, issued: 17.04.2019

Region: GB

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material In case of short-term contact / splash protection: PVC
Material thickness 0.8 mm
Breakthrough time 4 h

Other

Normal chemical work clothing.

Appropriate Material cotton

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|----------|
| Form/Colour | |
| liquid | |
| Odour | |
| No data available | |
| Odour threshold | |
| No data available | |
| pH value | |
| No data available | |
| Boiling point / boiling range | |
| Value | > 160 °C |
| Melting point / melting range | |
| No data available | |
| Decomposition point / decomposition range | |
| No data available | |
| Flash point | |
| Value | > 61 °C |

EC safety data sheet

Trade name: Bizol DPF Regeneration +d61

Product no.: 53-1178

Current version : 2.0.0, issued: 25.04.2019

Replaced version: 1.0.0, issued: 17.04.2019

Region: GB

| | |
|---|---------------------------|
| Auto-ignition temperature | |
| No data available | |
| Oxidising properties | |
| No data available | |
| Explosive properties | |
| No data available | |
| Flammability (solid, gas) | |
| No data available | |
| Lower flammability or explosive limits | |
| No data available | |
| Upper flammability or explosive limits | |
| No data available | |
| Vapour pressure | |
| No data available | |
| Vapour density | |
| No data available | |
| Evaporation rate | |
| No data available | |
| Relative density | |
| No data available | |
| Density | |
| No data available | |
| Solubility in water | |
| No data available | |
| Solubility(ies) | |
| No data available | |
| Partition coefficient: n-octanol/water | |
| No data available | |
| Viscosity | |
| Value | < 20.5 mm ² /s |
| Reference temperature | 40 °C |
| Type | kinematic |

9.2 Other information

| |
|--------------------------|
| Other information |
| No data available. |

SECTION 10: Stability and reactivity

10.1 Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

None known.

EC safety data sheet

Trade name: Bizol DPF Regeneration +d61

Product no.: 53-1178

Current version : 2.0.0, issued: 25.04.2019

Replaced version: 1.0.0, issued: 17.04.2019

Region: GB

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

| Acute oral toxicity | | | |
|---------------------|---|---------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |
| LD50 | > | 4150 | mg/kg bodyweight |
| Species | rat | | |
| Method | OECD 423 | | |
| Source | ECHA | | |

| Acute dermal toxicity | | | |
|-----------------------|---|---------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |
| LD50 | > | 2000 | mg/kg bodyweight |
| Species | rabbit | | |
| Method | OECD 402 | | |
| Source | ECHA | | |

| Acute inhalational toxicity | | | |
|-----------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |
| LC50 | > | 5.28 | mg/l |
| Duration of exposure | | 4 | h |
| State of aggregation | mist | | |
| Species | rat | | |
| Method | OECD 403 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| Skin corrosion/irritation | | | |
|---------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |
| Species | rabbit | | |
| Method | OECD 404 | | |
| Source | ECHA | | |
| Evaluation | non-irritant | | |

| Serious eye damage/irritation | | | |
|-------------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |
| Species | rabbit | | |
| Method | OECD 405 | | |
| Source | ECHA | | |
| Evaluation | non-irritant | | |

| Respiratory or skin sensitisation | | | |
|-----------------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |
| Route of exposure | Skin | | |
| Species | guinea pig | | |
| Evaluation | non-sensitizing | | |

EC safety data sheet

Trade name: Bizol DPF Regeneration +d61

Product no.: 53-1178

Current version : 2.0.0, issued: 25.04.2019

Replaced version: 1.0.0, issued: 17.04.2019

Region: GB

| Germ cell mutagenicity | | | |
|---------------------------|---|---|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |
| Type of examination | | Chromosome aberration test | |
| Species | | Human Lymphocyte | |
| Method | | OECD 473 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| Type of examination | | Bacterial Reverse Mutation Test | |
| Species | | Salmonella typhimurium | |
| Method | | OECD 471 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| Reproduction toxicity | | | |
| No data available | | | |
| Carcinogenicity | | | |
| No data available | | | |
| STOT - single exposure | | | |
| No data available | | | |
| STOT - repeated exposure | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |
| Route of exposure | | oral | |
| Species | | rat | |
| Method | | OECD 407 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| Route of exposure | | inhalational | |
| Species | | rat | |
| Method | | OECD 413 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| Aspiration hazard | | | |
| No data available | | | |

SECTION 12: Ecological information

12.1 Toxicity

| Toxicity to fish (acute) | | | |
|--------------------------|---|---------------------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | hydrocarbons, C10, aromatics, <1% naphthalene | - | 918-811-1 |
| LL50 | | >= 2 - 5 mg/l | |
| Duration of exposure | | 96 h | |
| Species | | Oncorhynchus mykiss | |
| Method | | OECD 203 | |
| Source | | ECHA | |

EC safety data sheet

Trade name: Bizol DPF Regeneration +d61

Product no.: 53-1178

Current version : 2.0.0, issued: 25.04.2019

Replaced version: 1.0.0, issued: 17.04.2019

Region: GB

| Toxicity to fish (chronic) | |
|----------------------------|--|
| No data available | |

| Toxicity to Daphnia (acute) | | | |
|-----------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | hydrocarbons, C10, aromatics, <1% naphthalene | - | 918-811-1 |
| EL50 | >= | 3 | 10 |
| Duration of exposure | | | 48 |
| | | | mg/l |
| | | | h |
| Species | Daphnia magna | | |
| Method | OECD 202 | | |
| Source | ECHA | | |

| Toxicity to Daphnia (chronic) | |
|-------------------------------|--|
| No data available | |

| Toxicity to algae (acute) | | | |
|---------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | hydrocarbons, C10, aromatics, <1% naphthalene | - | 918-811-1 |
| EL50 | >= | 1 | 3 |
| Duration of exposure | | | 72 |
| | | | mg/l |
| | | | h |
| Species | Pseudokirchneriella subcapitata | | |
| Method | OECD 201 | | |
| Source | ECHA | | |

| Toxicity to algae (chronic) | |
|-----------------------------|--|
| No data available | |

| Bacteria toxicity | |
|-------------------|--|
| No data available | |

12.2 Persistence and degradability

| Biodegradability | | | |
|------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | hydrocarbons, C10, aromatics, <1% naphthalene | - | 918-811-1 |
| Type | COD | | |
| Value | | 49.56 | % |
| Duration | | 28 | day(s) |
| Method | OECD 301 F | | |
| Source | ECHA | | |
| Evaluation | not readily biodegradable | | |

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

| Results of PBT and vPvB assessment | |
|------------------------------------|--------------------|
| PBT assessment | No data available. |
| vPvB assessment | No data available. |

12.6 Other adverse effects

No data available.

12.7 Other information

| Other information | |
|--|--|
| Do not discharge product unmonitored into the environment. | |

EC safety data sheet

Trade name: Bizol DPF Regeneration +d61

Product no.: 53-1178

Current version : 2.0.0, issued: 25.04.2019

Replaced version: 1.0.0, issued: 17.04.2019

Region: GB

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

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

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.

No 3

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

This product is not subject to Part 1 or 2 of Annex I.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

EC safety data sheet

Trade name: Bizol DPF Regeneration +d61

Product no.: 53-1178

Current version : 2.0.0, issued: 25.04.2019

Replaced version: 1.0.0, issued: 17.04.2019

Region: GB

SECTION 16: Other information

Further information

Provider:

ERC Additiv GmbH
Bäckerstraße 11-13
21244 Buchholz i.d.N.
Germany

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

| | |
|------|---|
| H228 | Flammable solid. |
| H302 | Harmful if swallowed. |
| H332 | Harmful if inhaled. |
| H336 | May cause drowsiness or dizziness. |
| H360 | May damage fertility or the unborn child |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |

Department issuing safety data sheet

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 756495