20000



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 4-3-2020 Revision date: 21-5-2021 Supersedes: 20-10-2020 version: 6.8

| SECTION 4.1 | lontification of the subst | onco/mixture and of | the company/undertaking | | | |
|--|---|--|--|---------|--|--|
| 1.1. Product ide | | ance/mixture and or | the company/undertaking | | | |
| Product name | | : Brake Fluid DOT 4 | | | | |
| UFI | | : 69YR-4M9J-KU10-QS | | | | |
| Product code | | : 20000 | | | | |
| Product group | | : Blend | | | | |
| 1.2. Relevant id | entified uses of the substa | nce or mixture and use | s advised against | | | |
| 1.2.1. Relevant id | entified uses | | | | | |
| Main use category | , | : Professional use | : Professional use | | | |
| Use of the substar | nce/mixture | : Hydraulic fluids and ad | ditives | | | |
| 1.2.2. Uses advis | ed against | | | | | |
| No additional infor | mation available | | | | | |
| MPM International Cyclotronweg 1 2629 HN Delft Del | ft - Nederland)30 - F +31 (0)15 2514031 | נמ סווכדנ | | | | |
| | telephone number | | | | | |
| Emergency number | | : +31 (0)15 2514030 (08.00 | 0 - 17.00 GMT+1) | | | |
| Country | Official advisory body | Address | Emergency number | Comment | | |
| Ireland | National Poisons Information Centre Beaumont Hospital | PO Box 1297 Beaumont Road 9 Dublin | +353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7) | | | |
| United Kingdom | | | | | | |
| SECTION 2. H | lazarda idantification | | | | | |
| SECTION 2: Hazards identification 2.1. Classification of the substance or mixture | | | | | | |
| | | | | | | |
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | | | | | | |
| Serious eye damage/eye irritation, Category 2 | | H319 | | | | |
| Reproductive toxicity, Category 2 H361d Full text of H statements : see section 16 H361d | | | | | | |
| | chemical, human health and en expected to be harmful to the er | | | | | |

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP)



 CLP Signal word
 : Warning

 Hazard statements (CLP)
 : H319 - Causes serious eye irritation.

 H361d - Suspected of damaging the unborn child.

 Precautionary statements (CLP)
 : P201 - Obtain special instructions before use.

 P280 - Wear protective gloves, eye protection.

 P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

| 3.2. Mixtures | | | | |
|---|--|---|---|--|
| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] | |
| Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate | (CAS-No.) 30989-05-0 (EC-No.) 250-418-4 (EC Index-No.) 250-418-4 (REACH-no) 2119462824-33 | ≥ 20 – ≤ 30 | Repr. 2, H361d | |
| 2-[2-(2-butoxyethoxy)ethoxy] ethanol | (CAS-No.) 143-22-6 (EC-No.) 205-592-6 (EC Index-No.) 603-183-00-0 (REACH-no) 01-2119475107-38 | ≥ 20 – ≤ 29,9 | Eye Dam. 1, H318 | |
| Poly(oxy-1,2-ethanediyl), .alphabutylomega hydroxy- (CAS# 9004-77-7) | (CAS-No.) 9004-77-7 (EC-No.) 500-012-0 (EC Index-No.) 500-012-0 (REACH-no) 2119475115-41 | ≥ 5 – ≤ 10 | Eye Irrit. 2, H319 | |
| Diethylene glycol | (CAS-No.) 111-46-6 (EC-No.) 203-872-2 (EC Index-No.) 603-140-00-6 (REACH-no) 01-2119457857-21 | ≥ 0,1 – ≤ 9,9 | Acute Tox. 4 (Oral), H302 | |
| 2-(2-Butoxyethoxy)ethanol | (CAS-No.) 112-34-5 (EC-No.) 203-961-6 (EC Index-No.) 603-096-00-8 (REACH-no) 01-2119475104-44 | ≥ 0,1 – ≤ 2,99 | Eye Irrit. 2, H319 | |
| 2-(2-Methoxyethoxy)ethanol | (CAS-No.) 111-77-3 (EC-No.) 203-906-6 (EC Index-No.) 603-107-00-6 (REACH-no) 01-2119475100-52 | ≥ 0,1 – ≤ 2,99 | Repr. 2, H361d | |
| Specific concentration limits: | | | | |
| Name | Product identifier | Specific concentration limits | | |
| 2-[2-(2-butoxyethoxy)ethoxy] ethanol | (CAS-No.) 143-22-6 (EC-No.) 205-592-6 (EC Index-No.) 603-183-00-0 (REACH-no) 01-2119475107-38 | (20 ≤C < 30) Eye Irrit. 2, H319 (30 ≤C < 100) Eye Dam. 1, H318 | | |
| Poly(oxy-1,2-ethanediyl), .alphabutylomega hydroxy- (CAS# 9004-77-7) | (CAS-No.) 9004-77-7 (EC-No.) 500-012-0 (EC Index-No.) 500-012-0 (REACH-no) 2119475115-41 | (20 ≤C < 100) Eye Irrit. 2, H319 | | |

Full text of H-statements: see section 16

| SECTION 4: First aid measures | |
|--|---|
| 4.1. Description of first aid measures | |
| After inhalation | : Get medical advice/attention if you feel unwell. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| After skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention. |
| After eye contact | : In case of eye contact, immediately rinse with clean water for 10-15 minutes. Obtain medical attention if pain, blinking or redness persists. |
| After ingestion | : Do NOT induce vomiting. If the person is fully conscious, make him/her drink plenty of water. Never give an unconscious person anything to drink. Get immediate medical advice/attention. |
| 4.2. Most important symptoms and effects | , both acute and delayed |
| After skin contact | : Contact during a long period may cause light irritation. |
| | |

After eye contact : May cause severe irritation.

4.3. Indication of any immediate medical attention and special treatment needed

In case of repeated or prolonged exposure : Immediately get medical attention.

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| SECTION 5: Firefighting measures | |
|--|---|
| 5.1. Extinguishing media | |
| Suitable extinguishing media | : Dry chemical, CO2, dry sand, or alcohol-resistant foam. Water spray. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |
| 5.2. Special hazards arising from the substa | ince or mixture |
| Hazardous decomposition products in case of fire | : When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NOx). |
| 5.3. Advice for firefighters | |
| Protection during firefighting | : Use self-contained breathing apparatus and chemically protective clothing. |
| Other information | : Use a water spray to cool exposed surfaces and to protect fire-fighters. |

| SECTION 6: Accidental release mea 6.1. Personal precautions, protective eq | |
|---|--|
| General measures | : Avoid contact with skin and eyes. Do not breathe dusts or mists. |
| 6.1.1. For non-emergency personnel | |
| Protective equipment | : Wear suitable protective clothing and gloves. Do not get in eyes, on skin, or on clothing. |
| 6.1.2. For emergency responders | |
| Protective equipment | : Wear suitable protective clothing and gloves. Safety glasses. |
| 6.2. Environmental precautions | |
| Avoid release to the environment. Notify authorit | ties if liquid enters sewers or public waters. |
| 6.3. Methods and material for containme | ent and cleaning up |
| For containment | : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. |
| Methods for cleaning up | : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. |
| 6.4 Deference to other continue | |

6.4. Reference to other sections For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

| SECTION 7: Handling and storage | |
|---|---|
| 7.1. Precautions for safe handling | |
| Precautions for safe handling | : Avoid contact with skin and eyes. |
| Hygiene measures | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |
| 7.2. Conditions for safe storage, includi | ng any incompatibilities |
| Technical measures | : Keep in a cool, well-ventilated place away from heat. |
| Storage conditions | : Keep container tightly closed. |
| Storage area | : Keep in a cool, well-ventilated place. Store in a closed container. |
| 7.3. Specific end use(s) | |
| No additional information available | |

| SECTION 8: Exposure 8.1. Control parameters | controls/personal protection | |
|--|--|---------------------------------------|
| Diethylene glycol (111-46 | S-6) | |
| EU | IOELV TWA (mg/m³) | 101 mg/m ³ |
| Germany | Notes | |
| Ireland | Local name | Diethylene glycol [2,2'-Oxydiethanol] |
| Ireland | OEL (8 hours ref) (mg/m ³) | 100 mg/m ³ |
| Ireland | OEL (8 hours ref) (ppm) | 23 ppm |
| Ireland | Regulatory reference | Chemical Agents Code of Practice 2020 |
| United Kingdom | Local name | 2,2'-Oxydiethanol |
| United Kingdom | WEL TWA (mg/m ³) | 101 mg/m ³ |
| United Kingdom | WEL TWA (ppm) | 23 ppm |
| United Kingdom | Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

| 2-(2-Butoxyethoxy)ethanol (112-34-5) | | | |
|--------------------------------------|------------|---------------------------|--|
| EU | Local name | 2-(2-Butoxyethoxy)ethanol | |
| | | | |

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| 2-(2-Butoxyethoxy)ethanol (112-34-5) | | | | |
|--------------------------------------|--|---|--|--|
| EU | IOELV TWA (mg/m³) | 67,5 mg/m³ | | |
| EU | IOELV TWA (ppm) | 10 ppm | | |
| EU | IOELV STEL (mg/m ³) | 101,2 mg/m ³ | | |
| EU | IOELV STEL (ppm) | 15 ppm | | |
| EU | Regulatory reference | COMMISSION DIRECTIVE 2006/15/EC | | |
| Germany | Notes | | | |
| Ireland | Local name | 2-(2-Butoxyethoxy)ethanol | | |
| Ireland | OEL (8 hours ref) (mg/m ³) | 67,5 mg/m³ | | |
| Ireland | OEL (8 hours ref) (ppm) | 10 ppm | | |
| Ireland | OEL (15 min ref) (mg/m3) | 101,2 mg/m ³ | | |
| Ireland | OEL (15 min ref) (ppm) | 15 ppm | | |
| Ireland | Notes (IE) | IOELV (Indicative Occupational Exposure Limit Values) | | |
| Ireland | Regulatory reference | Chemical Agents Code of Practice 2020 | | |
| United Kingdom | Local name | 2-(2-Butoxyethoxy)ethanol | | |
| United Kingdom | WEL TWA (mg/m³) | 67,5 mg/m³ | | |
| United Kingdom | WEL TWA (ppm) | 10 ppm | | |
| United Kingdom | WEL STEL (mg/m ³) | 101,2 mg/m ³ | | |
| United Kingdom | WEL STEL (OEL STEL) [ppm] | 15 ppm | | |
| United Kingdom | Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE | | |

| 2-(2-Methoxyethoxy)eth | anol (111-77-3) | |
|------------------------|--|--|
| EU | Local name | 2-(2-Methoxyethoxy)ethanol |
| EU | IOELV TWA (mg/m³) | 50,1 mg/m ³ |
| EU | IOELV TWA (ppm) | 10 ppm |
| EU | Notes | Skin |
| EU | Regulatory reference | COMMISSION DIRECTIVE 2006/15/EC |
| Germany | Notes | |
| Ireland | Local name | 2-(2-Methoxyethoxy)ethanol |
| Ireland | OEL (8 hours ref) (mg/m ³) | 50,1 mg/m ³ |
| Ireland | OEL (8 hours ref) (ppm) | 10 ppm |
| Ireland | Notes (IE) | Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values) |
| Ireland | Regulatory reference | Chemical Agents Code of Practice 2020 |
| United Kingdom | Local name | 2-(2-Methoxyethoxy) ethanol |
| United Kingdom | WEL TWA (mg/m³) | 50,1 mg/m ³ |
| United Kingdom | WEL TWA (ppm) | 10 ppm |
| United Kingdom | Remark (WEL) | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| United Kingdom | Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |
| 8.2. Exposure controls | | |

Technical measures:

Ensure good ventilation of the work station.

Personal protective equipment:

Gloves. Safety glasses.

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| Hand protection: | | | | | | | |
|--------------------------------|---|---------------|-------------------|----------------|------------|----|----------|
| Wear suitable gloves r | resistant to che | emical penet | ration | | | | |
| Туре | Material | | Permeation | Thickness (mm) | Penetratio | on | Standard |
| Reusable gloves | Nitrile rubbe Butyl rubbe rubber, Polyvinylch (PVC) | r, Natural | 6 (> 480 minutes) | | | | |
| Eye protection: | | | | | | | |
| Safety goggles | | | | | | | |
| Type Field of ap | | plication | Characteristics | | Standard | | |
| Safety goggles, Safety glasses | | | | | EN 166 | | |
| Skin and body protec | ction: | | | | | | |
| Wear suitable protectiv | ve clothing, glo | oves and eye | e/face protection | | | | |
| Respiratory protection | on: | | | | | | |
| Provide local exhaust | or general roo | m ventilatior | ı | | | | |

Personal protective equipment symbol(s):



Other information:

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

| 9.1. Information on basic physical and chemical pro | SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties | | | | |
|---|---|--|--|--|--|
| Physical state : Liquid | | | | | |
| Appearance : clear. | | | | | |
| Colour : Yellow | Ι. | | | | |
| Odour : slight. | | | | | |
| Odour threshold : No da | ta available | | | | |
| pH : No da | ta available | | | | |
| pH solution : 7 – 11 | ,5 | | | | |
| Relative evaporation rate (butylacetate=1) : No da | ta available | | | | |
| Melting point : < -50 | C | | | | |
| Freezing point : No da | ta available | | | | |
| Boiling point :> 260 | °C | | | | |
| Flash point: > 100 | 20 °C | | | | |
| Auto-ignition temperature : > 300 | °C | | | | |
| Decomposition temperature : > 300 | °C | | | | |
| Flammability (solid, gas) : No da | ta available | | | | |
| Vapour pressure : > 2 ml | par 20C | | | | |
| Relative vapour density at 20 °C : No da | ta available | | | | |
| Relative density : No da | ta available | | | | |
| Density : 1046 (| 1,01 – 1,07) g/l 20C | | | | |
| Solubility : No da | ta available | | | | |
| Log Pow : < 2 | | | | | |
| Viscosity, kinematic : 5 – 10 | mm²/s 20C | | | | |
| Viscosity, dynamic : No da | ta available | | | | |
| Explosive properties : No da | ta available | | | | |
| Oxidising properties : No da | ta available | | | | |
| Explosive limits : No da | ta available | | | | |

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9.2. Other information

No additional information available

| SECTION 10: Stability and reactivity |
|--|
| 10.1. Reactivity |
| No information available. |
| 10.2. Chemical stability |
| The product is stable at normal handling and storage conditions. |
| 10.3. Possibility of hazardous reactions |
| No dangerous reactions known under normal conditions of use. |
| 10.4. Conditions to avoid |
| Avoid formation of vapours. |
| 10.5. Incompatible materials |
| Acids and bases. Oxidizing agent. |
| 10.6. Hazardous decomposition products |
| No additional information available |

| SECTION 11: Toxicological information | |
|--|--|
| 11.1. Information on toxicological effects | |
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |
| Additional information | : Probably harmless when inhaled because of the low vapor pressure of the substance at ambient temperature. May be harmful if swallowed |

| 2-[2-(2-butoxyethoxy)ethoxy] ethanol (143-22-6) | |
|---|-------------------------|
| LD50 oral rat | > 5000 mg/kg bodyweight |
| LD50 dermal rabbit | 3540 mg/kg bodyweight |

| Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate (30989-05-0) | |
|---|-------------------------|
| LD50 oral rat | > 2000 mg/kg bodyweight |
| LD50 dermal rat | > 2000 mg/kg bodyweight |

| Poly(oxy-1,2-ethanediyl), .alphabutylomegahydroxy- (CAS# 9004-77-7) (9004-77-7) | |
|---|-------------------------|
| LD50 oral rat | > 2000 mg/kg bodyweight |
| LD50 dermal rabbit | 3540 mg/kg bodyweight |

2-(2-Butoxyethoxy)ethanol (112-34-5)

| LD50 dermal rabbit | 2764 mg/kg bodyweight OECD 402 |
|--------------------|--------------------------------|
| | |

| 2-(2-Methoxyethoxy)ethanol (111-77-3) | |
|---|---|
| LD50 dermal rabbit | 9404 mg/kg bodyweight OECD 402 |
| Skin corrosion/irritation | : Not classified |
| Additional information | : Repeated exposure may cause skin dryness or cracking. |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Additional information | : Causes eye irritation |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Diethylene glycol (111-46-6) | |
| NOAEL (chronic, oral, animal/male, 2 years) | 1210 mg/kg bodyweight |
| NOAEL (chronic, oral, animal/female, 2 years) | 1160 mg/kg bodyweight |
| Reproductive toxicity | : Suspected of damaging the unborn child. |
| STOT-single exposure | : Not classified |

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| according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 | | |
|--|--|--|
| STOT-repeated exposure | : Not classified | |
| 2-[2-(2-butoxyethoxy)ethoxy] ethanol (143-22-6) | | |
| LOAEL (oral, rat, 90 days) | 1200 mg/kg bodyweight OECD 408 (| |
| NOAEL (oral, rat, 90 days) | 400 mg/kg bodyweight OECD 408 | |
| NOAEL (dermal, rat/rabbit, 90 days) | 4000 mg/kg bodyweight | |
| | | |
| Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orth | | |
| NOAEL (oral, rat, 90 days) | ≥ 1000 mg/kg bodyweight | |
| Diethylene glycol (111-46-6) | | |
| LOAEL (oral, rat, 90 days) | 40000 mg/kg bodyweight OECD 407 | |
| | | |
| Poly(oxy-1,2-ethanediyl), .alphabutylomeg | ahydroxy- (CAS# 9004-77-7) (9004-77-7) | |
| LOAEL (oral, rat, 90 days) | 1200 mg/kg bodyweight | |
| NOAEL (oral, rat, 90 days) | 400 mg/kg bodyweight | |
| | | |
| 2-(2-Butoxyethoxy)ethanol (112-34-5) | | |
| NOAEL (oral, rat, 90 days) | 250 mg/kg bodyweight OECD 408 | |
| 2-(2-Methoxyethoxy)ethanol (111-77-3) | | |
| NOAEL (oral, rat, 90 days) | 900 mg/kg bodyweight OECD 407 | |
| NOAEC (inhalation, rat, vapour, 90 days) | > 1,06 mg/l air OECD 413 | |
| | | |
| Aspiration hazard | : Not classified | |
| Brake Fluid DOT 4 | | |
| Viscosity, kinematic | 5 – 10 mm²/s 20C | |
| SECTION 12: Ecological information | | |
| 12.1. Toxicity | | |
| General | : The product is not expected to be harmful to the environment. The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. That does not mean that large or frequent spills can have on the environment. | |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified | |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified | |
| Brake Fluid DOT 4 | | |
| Diake Fluid DOT 4 | | |
| LC50 fish 1 | > 100 mg/l | |
| | | |

| LC50 fish 1 | 2400 mg/l Pimephales promelas |
|----------------------|---|
| LC50 fish 2 | 2200 – 4600 mg/l Leuciscus idus |
| EC50 72h - Algae [1] | 1589 mg/l Pseudokirchneriella subcapitata |
| EC50 72h - Algae [2] | 3211 mg/l Pseudokirchneriella subcapitata |

| Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate (30989-05-0) | |
|---|--------------|
| LC50 fish 1 | > 222,2 mg/l |
| LC50 fish 2 | > 1010 mg/l |
| EC50 Daphnia 1 | > 211,2 mg/l |

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| EC50 Daphnia 2 | > 960 mg/l |
|----------------------|--------------|
| EC50 72h - Algae [1] | > 224,4 mg/l |
| EC50 72h - Algae [2] | > 1020 mg/l |

| Diethylene glycol (111-46-6) | |
|------------------------------|---|
| LC50 fish 1 | 75200 mg/l Pimephales promelas |
| EC50 96h - Algae [1] | 6500 – 13000 mg/l Pseudokirchneriella subcapitata |
| EC50 96h - Algae [2] | 9362 mg/l green algae |
| NOEC (chronic) | ≥ 1000 mg/l Americamysis bahia @23d |

| Poly(oxy-1,2-ethanediyl), .alphabutylomegahydroxy- (CAS# 9004-77-7) (9004-77-7) | |
|---|-------------|
| LC50 fish 1 | > 1800 mg/l |
| EC50 Daphnia 1 | > 3200 mg/l |
| EC50 72h - Algae [1] | 391 mg/l |

| 2-(2-Butoxyethoxy)ethanol (112-34-5) | |
|--------------------------------------|------------|
| LC50 fish 1 | 1300 mg/l |
| EC50 Daphnia 1 | > 100 mg/l |
| EC50 96h - Algae [1] | > 100 mg/l |

| 2-(2-Methoxyethoxy)ethanol (111-77-3) | | |
|--|---|--|
| LC50 fish 1 | 5741 mg/l Pimephales promelas | |
| EC50 Daphnia 1 | 1192 mg/l Daphnia magna | |
| EC50 96h - Algae [1] | > 1000 mg/l Pseudokirchneriella subcapitata | |
| 12.2. Persistence and degradability | | |
| Brake Fluid DOT 4 | | |
| Biodegradation | 100 % @21d (Zahn Wellans/EMPA) | |
| 12.3. Bioaccumulative potential | | |
| Brake Fluid DOT 4 | | |
| Log Pow | < 2 | |
| Bioaccumulative potential | not bioaccumulable. | |
| 12.4. Mobility in soil | | |
| Brake Fluid DOT 4 | | |
| Soil | In water, material soluble. | |
| 12.5. Results of PBT and vPvB assessment | | |
| No additional information available | | |
| 12.6. Other adverse effects | | |
| No additional information available | | |

| SECTION 13: Disposal considerations | |
|--|---|
| 13.1. Waste treatment methods | |
| Regional legislation (waste) | : Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| European List of Waste (LoW) code | : 16 01 13* - brake fluids |

| SECTION 14: Transp | ort information | |
|-----------------------------|-----------------|------|
| In accordance with ADR / II | MDG | |
| ADR | IMDG | |
| 14.1. UN number | | |
| Not applicable | Not applicable | |
| 04.5.0004 (marsiant 0.0) | | 0/40 |

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| 14.2. UN proper shipping name | | | |
|--|---|--|--|
| Not applicable | Not applicable | | |
| 14.3. Transport hazard class(es) | | | |
| Not applicable | Not applicable | | |
| 14.4. Packing group | | | |
| Not applicable | Not applicable | | |
| 14.5. Environmental hazards | | | |
| Dangerous for the environment : No | Dangerous for the environment : No Marine pollutant : No | | |
| No supplementary information available | | | |
| 14.6. Special precaution | 14.6. Special precautions for user | | |

Overland transport

No data available

Transport by sea

No data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment No additional information available

SECTION 16: Other information Indication of changes: Comments Section Changed item Change Supersedes Modified Revision date Modified Precautionary statements (CLP) Modified 2.2 3 Composition/information on Modified ingredients Full text of H- and EUH-statements: Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4 Eye Dam. 1 Serious eye damage/eye irritation, Category 1 Eye Irrit. 2 Serious eye damage/eye irritation, Category 2 Repr. 2 Reproductive toxicity, Category 2 H302 Harmful if swallowed. H318 Causes serious eye damage. H319 Causes serious eye irritation.

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H361d

Suspected of damaging the unborn child.

SDS MPM REACH

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.