# SAFETY DATA SHEET

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

**1.1. Product identifier**

| | |
|---|---|
| **Trade name or designation of the mixture** | JURID Brake Fluid DOT 3 |
| **Registration number** | - |
| **Synonyms** | None. |
| **Product code** | 151030B2, 151051J-K, 151452J-EU |

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

| | |
|---|---|
| **Identified uses** | Brake fluid. |
| **Uses advised against** | None known. |

**1.3. Details of the supplier of the safety data sheet**

**Manufacturer/Supplier**

| | |
|---|---|
| **Company name** | Federal-Mogul Global Aftermarket EMEA bv |
| **Address** | Prins Boudewijnlaan 5<br>B-2550 Kontich<br>Belgium |
| **Telephone** | +32 3 450 83 10 |
| **Contact person** | Braking_EMEA@DRiV.com |

| | |
|---|---|
| **1.4. Emergency telephone number** | 3E Global Incident Response Hotline<br><br>+44 20 35147487<br>Access code: 335908 |
| **Poison Information Centre telephone number** | +39 800 011 858 |
| **General in EU** | 112 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.) |

## SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

**Classification according to Regulation (EC) No 1272/2008 as amended**

**Health hazards**

| | | |
|---|---|---|
| Acute toxicity, oral | Category 4 | H302 - Harmful if swallowed. |
| Serious eye damage/eye irritation | Category 1 | H318 - Causes serious eye damage. |

**2.2. Label elements**

**Label according to Regulation (EC) No. 1272/2008 as amended**

**Contains:** Diethylene glycol, Reaction mass of 2-(2-(2-butoxyethoxy)ethoxy)ethanol and 3,6,9,12-tetraoxahexadecan-1-ol

**Hazard pictograms**

**Signal word** Danger

**Hazard statements**

H302 Harmful if swallowed.

H318 Causes serious eye damage.

**Precautionary statements**

**Prevention**

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear eye protection/face protection.

**Response**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTRE/doctor.

**Storage** None.

**Disposal**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Supplemental information on the label** None.

**2.3. Other hazards** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
The mixture does not contain any substances included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties at a concentration equal to or greater than 0.1% by weight.
The mixture does not contain any substances having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1% by weight.

## SECTION 3: Composition/information on ingredients

**3.2. Mixtures**

**General information**

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|---|---|---|---|---|---|
| Reaction mass of 2-(2-(2-butoxyethoxy)ethoxy)ethanol and 3,6,9,12-tetraoxahexadecan-1-ol | 45 - 70 | - 907-996-4 | 01-2119475115-41-XXXX | - | |
| **Classification:** Eye Dam. 1;H318 | | | | | |
| **Specific Concentration Limits:** Eye Dam. 1;H318: C ≥ 30 %, Eye Irrit. 2;H319: 20 % ≤ C < 30 % | | | | | |
| Diethylene glycol | 10 - 30 | 111-46-6 203-872-2 | 01-2119457857-21-XXXX | 603-140-00-6 | |
| **Classification:** Acute Tox. 4;H302;(ATE: 500 mg/kg bw) | | | | | |
| 2,6-di-tert-butyl-p-cresol | < 0,2 | 128-37-0 204-881-4 | 01-2119480433-40-XXXX | - | |
| **Classification:** Aquatic Acute 1;H400, Aquatic Chronic 1;H410(M=1) | | | | | |

**List of abbreviations and symbols that may be used above**

ATE: Acute toxicity estimate.
M: M-factor

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The full text for all H-statements is displayed in section 16.

## SECTION 4: First aid measures

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

**4.1. Description of first aid measures**

**Inhalation** Move injured person into fresh air and keep person calm under observation. Get medical attention if any discomfort continues.

**Skin contact** Wash off with soap and water. Get medical attention if irritation develops and persists.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

**Ingestion** Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.

**4.2. Most important symptoms and effects, both acute and delayed** Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**4.3. Indication of any immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

## SECTION 5: Firefighting measures

**General fire hazards** Will burn if involved in a fire.

**5.1. Extinguishing media**

**Suitable extinguishing media** Water spray, dry powder or carbon dioxide.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture** During fire, gases hazardous to health may be formed.

**5.3. Advice for firefighters**

**Special protective equipment for firefighters** Self-contained breathing apparatus and full protective clothing should be worn when fighting chemical fires. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

**Special fire fighting procedures** Move containers from fire area if you can do so without risk.

**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel** Follow standard emergency procedure. Avoid breathing mist/vapours. Wear appropriate personal protective equipment (See Section 8).

**For emergency responders** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the SDS.

**6.2. Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

**6.3. Methods and material for containment and cleaning up** Use water spray to reduce vapours or divert vapour cloud drift. The product is soluble in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

**6.4. Reference to other sections** For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling** Avoid contact with eyes and prolonged skin contact. Do not taste or swallow. Avoid prolonged exposure. Do not eat, drink or smoke when using the product. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

**7.2. Conditions for safe storage, including any incompatibilities** Store in tightly closed container. Store in a dry well ventilated area and protect from damage and direct sunlight. Store away from incompatible materials (see section 10 of the SDS).

**7.3. Specific end use(s)** Brake fluid.

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

**Occupational exposure limits**

**Italy. OELs**

| Components | Type | Value | Form |
|---|---|---|---|
| 2,6-di-tert-butyl-p-cresol (CAS 128-37-0) | TWA | 2 mg/m3 | Inhalable fraction and vapour. |

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures** Follow standard monitoring procedures.

**Derived no effect levels (DNELs)**

**General population**

| Components | Value | Assessment factor | Notes |
|---|---|---|---|
| 2,6-di-tert-butyl-p-cresol (CAS 128-37-0) | | | |
| Long-term, Systemic, Dermal | 0,25 mg/kg | 100 | Repeated dose toxicity |
| Long-term, Systemic, Inhalation | 0,435 mg/m3 | 25 | Repeated dose toxicity |
| Long-term, Systemic, Oral | 0,25 mg/kg | 100 | Repeated dose toxicity |
| Diethylene glycol (CAS 111-46-6) | | | |
| Long-term, Local, Inhalation | 12 mg/m3 | 10 | respiratory tract irritation |
| Long-term, Systemic, Dermal | 21 mg/kg bw/day | 210 | Repeated dose toxicity |
| Long-term, Systemic, Inhalation | 12 mg/m3 | | respiratory tract irritation |
| Reaction mass of 2-(2-(2-butoxyethoxy)ethoxy)ethanol and 3,6,9,12-tetraoxahexadecan-1-ol (CAS -) | | | |
| Long-term, Systemic, Dermal | 125 mg/kg | 40 | Repeated dose toxicity |
| Long-term, Systemic, Inhalation | 117 mg/m3 | 10 | Repeated dose toxicity |
| Long-term, Systemic, Oral | 12,5 mg/kg | 40 | Repeated dose toxicity |

**Workers**

| Components | Value | Assessment factor | Notes |
|---|---|---|---|
| 2,6-di-tert-butyl-p-cresol (CAS 128-37-0) | | | |
| Long-term, Systemic, Dermal | 0,5 mg/kg | 50 | Repeated dose toxicity |
| Long-term, Systemic, Inhalation | 1,76 mg/m3 | 12,5 | Repeated dose toxicity |
| Diethylene glycol (CAS 111-46-6) | | | |
| Long-term, Local, Inhalation | 60 mg/m3 | 2 | respiratory tract irritation |
| Long-term, Systemic, Dermal | 43 mg/kg bw/day | 105 | Repeated dose toxicity |
| Long-term, Systemic, Inhalation | 44 mg/m3 | | |
| Reaction mass of 2-(2-(2-butoxyethoxy)ethoxy)ethanol and 3,6,9,12-tetraoxahexadecan-1-ol (CAS -) | | | |
| Long-term, Systemic, Dermal | 208 mg/kg | 24 | Repeated dose toxicity |
| Long-term, Systemic, Inhalation | 195 mg/m3 | 6 | Repeated dose toxicity |

**Predicted no effect concentrations (PNECs)**

| Components | Value | Assessment factor | Notes |
|---|---|---|---|
| 2,6-di-tert-butyl-p-cresol (CAS 128-37-0) | | | |
| Freshwater | 0,199 µg/l | 1000 | |
| Marine water | 0,02 µg/l | 10000 | |
| Secondary poisoning | 16,67 mg/kg | 30 | Food |
| Sediment (freshwater) | 0,458 mg/kg | | |
| Sediment (marine water) | 0,046 mg/kg | | |
| Soil | 0,054 mg/kg | | |
| STP | 0,017 mg/l | 100 | |
| Diethylene glycol (CAS 111-46-6) | | | |
| Freshwater | 10 mg/l | 10 | |
| Intermittent releases | 10 mg/l | | |
| Marine water | 1 mg/l | 100 | |
| Sediment (freshwater) | 20,9 mg/kg | | |
| Sediment (marine water) | 2,09 mg/kg | | |
| Soil | 1,53 mg/kg | | |
| STP | 199,5 mg/l | 10 | |
| Reaction mass of 2-(2-(2-butoxyethoxy)ethoxy)ethanol and 3,6,9,12-tetraoxahexadecan-1-ol (CAS -) | | | |
| Freshwater | 4,5 mg/l | 100 | |
| Marine water | 0,31 mg/l | 1000 | |
| Secondary poisoning | 111 mg/kg | 90 | Oral |
| Sediment (freshwater) | 6,6 mg/kg | 1000 | |
| Sediment (marine water) | 0,66 mg/kg | 10000 | |
| Soil | 1,32 mg/kg | | |
| STP | 500 mg/l | 10 | |

**8.2. Exposure controls**

**Appropriate engineering controls** Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide easy access to water supply and eye wash facilities.

**Individual protection measures, such as personal protective equipment**

**General information** Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection** Wear safety glasses with side shields (or goggles). Eye protection should meet standard EN 166.

| | |
|---|---|
| **Skin protection** | |
| **- Hand protection** | Wear appropriate chemical resistant gloves. Always wear chemical-resistant protective gloves that comply with EN 374 to handle this product. Observe good industrial hygiene practices and wash gloves with soap and water before removing them. Assess the working conditions and always consult your glove supplier for information on the most suitable type of glove for each task and the required material, thickness, and breakthrough time specifications. The use of type-B gloves in accordance with EN 374 is recommended as a minimum protection against intermittent or splash contact. Consult your supplier to find the most suitable option for the product in question. The requirements outlined in EN 407 must be taken into consideration for tasks involving thermal hazards. |
| **- Other** | Wear appropriate clothing to prevent repeated or prolonged skin contact. |
| **Respiratory protection** | In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment. Respiratory protection should meet standard EN 14387. |
| **Thermal hazards** | Wear appropriate thermal protective clothing, when necessary. |
| **Hygiene measures** | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |
| **Environmental exposure controls** | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels. |

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

| | |
|---|---|
| **Physical state** | Liquid. |
| **Form** | Liquid. |
| **Colour** | Colourless to amber. |
| **Odour** | Characteristic. |
| **Odour threshold** | Property has not been measured. |
| **Melting point/freezing point** | Property has not been measured. |
| **Boiling point or initial boiling point and boiling range** | > 200 °C (> 392 °F) |
| **Flammability** | Will burn if involved in a fire. |
| **Upper/lower flammability or explosive limits** | |
| **Explosive limit - lower ( %)** | Property has not been measured. |
| **Explosive limit – upper (%)** | Property has not been measured. |
| **Flash point** | > 100 °C (> 212 °F) |
| **Auto-ignition temperature** | Property has not been measured. |
| **Decomposition temperature** | Property has not been measured. |
| **pH** | 9 |
| **Kinematic viscosity** | Property has not been measured. |
| **Solubility** | |
| **Solubility (water)** | Soluble in water. |
| **Partition coefficient (n-octanol/water) (log value)** | Not applicable, product is a mixture. |
| **Vapour pressure** | Property has not been measured. |
| **Density and/or relative density** | |
| **Relative density** | 1 - 1,1 |
| **Vapour density** | Property has not been measured. |
| **Particle characteristics** | Not applicable, material is a liquid. |
| **9.2. Other information** | |
| **9.2.1. Information with regard to physical hazard classes** | No relevant additional information available. |
| **9.2.2. Other safety characteristics** | |
| **Evaporation rate** | Property has not been measured. |
| **Viscosity** | 1250 cSt (40 °C (104 °F)) |

## SECTION 10: Stability and reactivity

| | |
|---|---|
| **10.1. Reactivity** | The product is stable and non reactive under normal conditions of use, storage and transport. |
| **10.2. Chemical stability** | Stable under normal temperature conditions. |
| **10.3. Possibility of hazardous reactions** | Will not occur. |
| **10.4. Conditions to avoid** | Avoid exposure to high temperatures or direct sunlight. Contact with incompatible materials. |
| **10.5. Incompatible materials** | Strong oxidizers, strong acids, and strong bases. Strong reducing agents. |
| **10.6. Hazardous decomposition products** | Fire or high temperatures create: Carbon monoxide. Carbon dioxide. |

## SECTION 11: Toxicological information

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | Prolonged inhalation may be harmful. |
| **Skin contact** | Prolonged skin contact may cause irritation. |
| **Eye contact** | Causes serious eye damage. |
| **Ingestion** | Harmful if swallowed. |
| **Symptoms** | Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. |

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity** Harmful if swallowed.

| Product | Species | Test Results |
|---|---|---|
| JURID Brake Fluid DOT 3 (CAS Mixture) | | |
| **Acute** | | |
| **Oral** | | |
| ATE | | 1538 mg/kg |

| Components | Species | Test Results |
|---|---|---|
| 2,6-di-tert-butyl-p-cresol (CAS 128-37-0) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rat | 2000 mg/kg |
| **Oral** | | |
| LD50 | Rat | 2930 - 6000 mg/kg |
| Diethylene glycol (CAS 111-46-6) | | |
| **Acute** | | |
| **Oral** | | |
| LD50 | Rat | 16500 mg/kg |

| | |
|---|---|
| **Skin corrosion/irritation** | Based on available data, the classification criteria are not met. |
| **Serious eye damage/eye irritation** | Causes serious eye damage. |
| **Respiratory sensitisation** | Based on available data, the classification criteria are not met. |
| **Skin sensitisation** | Based on available data, the classification criteria are not met. |
| **Germ cell mutagenicity** | Based on available data, the classification criteria are not met. |
| **Carcinogenicity** | Based on available data, the classification criteria are not met. |

**IARC Monographs. Overall Evaluation of Carcinogenicity**

2,6-di-tert-butyl-p-cresol (CAS 128-37-0) 3 Not classifiable as to carcinogenicity to humans.

| | |
|---|---|
| **Reproductive toxicity** | Based on available data, the classification criteria are not met. |
| **Specific target organ toxicity - single exposure** | Based on available data, the classification criteria are not met. |
| **Specific target organ toxicity - repeated exposure** | Based on available data, the classification criteria are not met. |
| **Aspiration hazard** | Based on available data, the classification criteria are not met. |
| **Mixture versus substance information** | No information available. |

**11.2. Information on other hazards**

| | |
|---|---|
| **Endocrine disrupting properties** | This mixture does not contain any substances having endocrine disrupting properties with respect to human health as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight. |
| **Other information** | No other specific acute or chronic health impact noted. |

## SECTION 12: Ecological information

**12.1. Toxicity** Based on available data, the classification criteria are not met for hazardous to the aquatic environment.

| Components | | Species | Test Results |
|---|---|---|---|
| 2,6-di-tert-butyl-p-cresol (CAS 128-37-0) | | | |
| **Aquatic** | | | |
| Algae | EC50 | Algae | 0,758 mg/l, 96 hours |
| | | | > 0,24 - < 10 mg/l, 72 hours |
| | NOEC | Algae | > 0,24 - < 1,7 mg/l, 72 hours |
| *Acute* | | | |
| Crustacea | EC50 | Aquatic invertebrates | > 0,48 - < 0,61 mg/l, 48 hours |
| | NOEC | Aquatic invertebrates | > 0,15 - < 0,23 mg/l, 48 hours |
| Fish | LC50 | Fish | > 0,199 - < 0,57 mg/l, 96 hours |
| *Chronic* | | | |
| Crustacea | EC50 | Aquatic invertebrates | < 0,39 mg/l, 21 days |
| | LOEC | Aquatic invertebrates | 1 mg/l, 21 days |
| | NOEC | Aquatic invertebrates | > 0,023 - < 0,316 mg/l, 21 days |
| Diethylene glycol (CAS 111-46-6) | | | |
| **Aquatic** | | | |
| Algae | NOEC | Algae | 100 mg/l, 72 hours |
| *Acute* | | | |
| Crustacea | EC50 | Aquatic invertebrates | 100000 mg/l, 24 hours |
| Fish | LC50 | Fish | 7520 mg/l, 96 hours |
| *Chronic* | | | |
| Crustacea | EC50 | Aquatic invertebrates | 33911 mg/kg/D, 21 days |

**12.2. Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

**12.3. Bioaccumulative potential** No data available for this product.

**Partition coefficient n-octanol/water (log Kow)**

| | |
|---|---|
| 2,6-di-tert-butyl-p-cresol (CAS 128-37-0) | 5,1 |
| Diethylene glycol (CAS 111-46-6) | -1,47 |

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** No data available.

**12.5. Results of PBT and vPvB assessment** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6. Endocrine disrupting properties** This mixture does not contain any substances having endocrine disrupting properties with respect to the environment as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.

**12.7. Other adverse effects** None known.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

| | |
|---|---|
| **Residual waste** | Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| **Contaminated packaging** | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

| | |
|---|---|
| **EU waste code** | 16 01 13*<br>The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| **Disposal methods/information** | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| **Special precautions** | Dispose in accordance with all applicable regulations. |

## SECTION 14: Transport information

**ADR**

| | |
|---|---|
| **14.1. UN number** | Not regulated as dangerous goods. |
| **14.2. UN proper shipping name** | Not regulated as dangerous goods. |
| **14.3. Transport hazard class(es)** | |
| **Class** | Not assigned. |
| **Subsidiary risk** | - |
| **Hazard No. (ADR)** | Not assigned. |
| **Tunnel restriction code** | Not assigned. |
| **14.4. Packing group** | - |
| **14.5. Environmental hazards** | No. |
| **14.6. Special precautions for user** | Not assigned. |

**RID**

| | |
|---|---|
| **14.1. UN number** | Not regulated as dangerous goods. |
| **14.2. UN proper shipping name** | Not regulated as dangerous goods. |
| **14.3. Transport hazard class(es)** | |
| **Class** | Not assigned. |
| **Subsidiary risk** | - |
| **14.4. Packing group** | - |
| **14.5. Environmental hazards** | No. |
| **14.6. Special precautions for user** | Not assigned. |

**ADN**

| | |
|---|---|
| **14.1. UN number** | Not regulated as dangerous goods. |
| **14.2. UN proper shipping name** | Not regulated as dangerous goods. |
| **14.3. Transport hazard class(es)** | |
| **Class** | Not assigned. |
| **Subsidiary risk** | - |
| **14.4. Packing group** | - |
| **14.5. Environmental hazards** | No. |
| **14.6. Special precautions for user** | Not assigned. |

**IATA**

| | |
|---|---|
| **14.1. UN number** | Not regulated as dangerous goods. |
| **14.2. UN proper shipping name** | Not regulated as dangerous goods. |
| **14.3. Transport hazard class(es)** | |
| **Class** | Not assigned. |
| **Subsidiary risk** | - |
| **14.4. Packing group** | - |
| **14.5. Environmental hazards** | No. |
| **14.6. Special precautions for user** | Not assigned. |

**IMDG**

| | |
|---|---|
| **14.1. UN number** | Not regulated as dangerous goods. |
| **14.2. UN proper shipping name** | Not regulated as dangerous goods. |
| **14.3. Transport hazard class(es)** | |
| **Class** | Not assigned. |
| **Subsidiary risk** | - |
| **14.4. Packing group** | - |
| **14.5. Environmental hazards** | |
| **Marine pollutant** | No. |
| **EmS** | Not assigned. |

**14.6. Special precautions for user** Not assigned.

**14.7. Maritime transport in bulk according to IMO instruments** Not applicable.

## SECTION 15: Regulatory information

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

**EU regulations**

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

**Authorisations**

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended**

Not listed.

**Restrictions on use**

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use, as amended - Conditions of restriction given for the associated entry number should be considered**

Not listed.

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.**

Not listed.

**Regulation 2019/1148 on Marketing and Use of Explosive Precursors, Annex I, as amended**

Not listed.

**Regulation 2019/1148 on Marketing and Use of Explosive Precursors, Annex II, as amended**

Not listed.

**Other regulations** The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

**National regulations** Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

**15.2. Chemical safety assessment** No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

**List of abbreviations**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.
DNEL: Derived No-Effect Level.
EC50: Effective Concentration, 50%.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
IMO: International Maritime Organization.
LC50: Lethal Concentration, 50%.
LD50: Lethal Dose, 50%.
NOEC: No observed effect concentration.
PBT: Persistent, bioaccumulative, toxic.
PNEC: Predicted No-Effect Concentration.
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

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|---|---|
| | TWA: Time Weighted Average.<br>vPvB: Very persistent and very bioaccumulative. |
| **References** | HSDB® - Hazardous Substances Data Bank<br>ECHA: European Chemical Agency.<br>Registry of Toxic Effects of Chemical Substances (RTECS) |
| **Information on evaluation method leading to the classification of mixture** | The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available. |
| **Full text of any statements, which are not written out in full under sections 2 to 15** | H302 Harmful if swallowed.<br>H318 Causes serious eye damage.<br>H400 Very toxic to aquatic life.<br>H410 Very toxic to aquatic life with long lasting effects. |
| **This SDS contains revisions in the following section(s):** | 1, 2, 12, 15, 16 |
| **Training information** | Follow training instructions when handling this material. |
| **Further information** | UFI: VH00-007G-4006-N2A2 |
| **Disclaimer** | The information provided on this data sheet was abstracted from supplier safety data sheets and standard references in occupational health and toxicology. Federal-Mogul makes no representation or warranty with respect to the information obtained from such references. The information is however, as of the date provided, true and accurate to the best of Federal-Mogul's knowledge, and should be used to make an independent determination of the methods to safeguard workers and the environment. |