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

### 1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade name/designation</td>
<td>FUELS, DIESEL</td>
</tr>
<tr>
<td>Chemical name</td>
<td>Fuels, diesel</td>
</tr>
<tr>
<td>EC Index</td>
<td>649-224-00-6</td>
</tr>
<tr>
<td>EC No</td>
<td>269-822-7</td>
</tr>
<tr>
<td>CAS No.</td>
<td>68334-30-5</td>
</tr>
<tr>
<td>REACH registration No</td>
<td>01-2119484664-27-0186</td>
</tr>
<tr>
<td>Product group</td>
<td>Trade product</td>
</tr>
</tbody>
</table>

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

#### 1.2.1. Relevant identified uses

<table>
<thead>
<tr>
<th>Main use category</th>
<th>Use descriptors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial uses, Professional use</td>
<td>SU3, SU8, SU9, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC15, ERC6a, ESVOC SPERC 6.1a.v1</td>
</tr>
<tr>
<td>Use of the substance/mixture</td>
<td>SU3, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC14, PROC15, ERC2, ESVOC SPERC 2.2.v1</td>
</tr>
<tr>
<td>Use in coatings</td>
<td>SU3, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC16, PROC17, ERC4, ESVOC SPERC 4.3a.v1</td>
</tr>
<tr>
<td>Use in oil and gas field drilling and production operations</td>
<td>SU3, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, ERC4, ESVOC SPERC 1.1.v1</td>
</tr>
<tr>
<td>Lubricants</td>
<td>SU3, PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC15, ERC4, ESVOC SPERC 4.8a.v1</td>
</tr>
<tr>
<td>Metal working fluids / rolling oils</td>
<td>SU3, PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC15, ERC4, ESVOC SPERC 4.7a.v1</td>
</tr>
<tr>
<td>Use as binders and release agents</td>
<td>SU3, PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, ERC4, ESVOC SPERC 4.10a.v1</td>
</tr>
<tr>
<td>Use as a fuel</td>
<td>SU3, PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC16, ERC7, ESVOC SPERC 7.12a.v1</td>
</tr>
<tr>
<td>Functional fluids</td>
<td>SU3, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, ERC9, ERC7, ESVOC SPERC 7.13a.v1</td>
</tr>
<tr>
<td>Rubber production and processing</td>
<td>SU3, PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC7, PROC8a, PROC8b, PROC9, PROC13, PROC14, PROC15, PROC21, ERC1, ERC4, ERC6d, ESVOC SPERC 4.19.v1</td>
</tr>
<tr>
<td>Use in coatings</td>
<td>SU22, PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC15, PROC19, ERC8a, ERC8d, ESVOC SPERC 8.3b.v1</td>
</tr>
<tr>
<td>Use in oil and gas field drilling and production operations</td>
<td>SU22, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, ERC8d</td>
</tr>
<tr>
<td>Lubricants: Low environmental release</td>
<td>SU22, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC17, PROC18, PROC20, ERC9a, ERC9b, ESVOC SPERC 9.6b.v1</td>
</tr>
<tr>
<td>Lubricants: High environmental release</td>
<td>SU22, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC17, PROC18, PROC20, ERC8a, ERC8d, ESVOC SPERC 8.6c.v1</td>
</tr>
<tr>
<td>Title</td>
<td>Use descriptors</td>
</tr>
<tr>
<td>-------</td>
<td>----------------</td>
</tr>
<tr>
<td>Use as binders and release agents (ES Ref.: 14)</td>
<td>SU22, PROC1, PROC2, PROC3, PROC4, PROC6, PROC8a, PROC8b, PROC10, PROC11, PROC14, ERC8a, ERC8b, ESVOC SPERC 8.10b.v1</td>
</tr>
<tr>
<td>Use as a fuel (ES Ref.: 16)</td>
<td>SU22, PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC16, ERC9a, ERC9b, ESVOC SPERC 9.12b.v1</td>
</tr>
<tr>
<td>Road and construction applications (ES Ref.: 19)</td>
<td>SU22, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, ERC8d, ERC8f, ESVOC SPERC 8.15.v1</td>
</tr>
<tr>
<td>Explosives manufacture &amp; use (ES Ref.: 20)</td>
<td>SU22, PROC1, PROC3, PROC5, PROC8a, PROC8b, ERC8e</td>
</tr>
<tr>
<td>Use as a fuel (ES Ref.: 17)</td>
<td>SU21, PC13, ERC9a, ERC9b, ESVOC SPERC 9.12c.v1</td>
</tr>
</tbody>
</table>

Full text of use descriptors: see section 16

### 1.2.2. Uses advised against

No data available

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

**Supplier**

NIS a.d. Novi Sad  
Narodnog Fronta 12  
21000 Novi Sad - Serbia  
T +381 (0) 21 481 1111  
Dragan Cvetkov@nis.eu (Responsible person SDS/REACH)

**Manufacturer**

NIS a.d. Novi Sad  
Narodnog Fronta 12  
21000 Novi Sad - Serbia  
T +381 (0) 21 481 1111  
Dragan Cvetkov@nis.eu (Responsible person SDS/REACH)

### 1.4. Emergency telephone number

Emergency number:  
+381 (0) 21 481 1111  (08-16h) +381 (0)11 360 8440 (24 h) +381 (0)11 266 1122  
(24 h) +381 (0)11 266 2755 (24 h)

<table>
<thead>
<tr>
<th>Country</th>
<th>Official advisory body</th>
<th>Address</th>
<th>Emergency number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ireland</td>
<td>National Poisons Information Centre</td>
<td>Beaumont Hospital Beaumont Road 9 Dublin</td>
<td>+353 1 809 21 66 (public, 8am - 10pm, 7/7) +353 01 809 2566 (Professionals, 24/7)</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit</td>
<td>Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle</td>
<td>0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours, healthcare professionals only)</td>
</tr>
</tbody>
</table>

### SECTION 2: Hazards identification

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

Classification according to Regulation (EC) No. 1272/2008 [CLP]

- Flam. Liq. 3  
- Acute Tox. 4 (Inhalation)  
- Skin Irrit. 2  
- Carc. 2  
- STOT RE 2  
- Asp. Tox. 1  
- Aquatic Chronic 2
Full text of hazard classes and H-statements: see section 16

2.2. Label elements

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

Hazard pictograms:

GHS02  GHS07  GHS08  GHS09

Signal word: Danger
Hazard statements:
- H226 - Flammable liquid and vapour.
- H304 - May be fatal if swallowed and enters airways.
- H315 - Causes skin irritation.
- H322 - Harmful if inhaled.
- H351 - Suspected of causing cancer.
- H373 - May cause damage to organs through prolonged or repeated exposure.
- H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements:
- P261 - Avoid breathing vapours.
- P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/.
- P331 - Do NOT induce vomiting.
- P501 - Dispose of contents/container to.

Listed in Annex VI: EC index no: 649-224-00-6

2.3. Other hazards

Other hazards:
- PBT/vPvB data. This substance does not meet the PBT/vPvB criteria of REACH, annex XIII. This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.1. Substance

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuels, diesel</td>
<td>(CAS No.) 68334-30-5 (EC No) 269-822-7 (EC Index) 649-224-00-6 (REACH-no) 01-2119484664-27-0186</td>
<td>100</td>
<td>Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

3.2. Mixture

Not applicable
SECTION 4: First aid measures

4.1. Description of first aid measures

Additional advice: First aider: Pay attention to self-protection. See also section 8. Treat symptomatically. Never give anything by mouth to an unconscious person or a person with cramps. Show this safety data sheet to the doctor in attendance. In case of doubt or persistent symptoms, consult always a physician.

Inhalation: Keep at rest. Provide fresh air. In case of doubt or persistent symptoms, consult always a physician.

Skin contact: Remove contaminated clothing and shoes. Wash with plenty of water/. In case of doubt or persistent symptoms, consult always a physician.

Eyes contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical advice/attention.

In case of ingestion: Do NOT induce vomiting. Rinse mouth. Rinse mouth immediately and drink plenty of water. Get medical advice/attention.

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

Inhalation: Harmful if inhaled. May cause respiratory irritation.

Skin contact: Causes skin irritation.

Eyes contact: Contact with eyes may cause irritation.

Ingestion: May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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, Alcohol resistant foam, Carbon dioxide, Dry extinguishing powder.

Unsuitable extinguishing media: Strong water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards: Flammable liquid and vapour. Hazardous decomposition products COx,H2S,SOx. Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

5.3. Advice for firefighters

Firefighting instructions: Special protective equipment for firefighters. In case of fire: Wear self-contained breathing apparatus. Use water spray or fog for cooling exposed containers. Evacuate personnel to a safe area. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

For non-emergency personnel: Evacuate personnel to a safe area. Use personal protective equipment as required. Reference to other sections: 8. Avoid contact with skin, eyes and clothing. Do not breathe vapour/aerosol. Vapours can form explosive mixtures with air. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately earthed.

6.1.2. For emergency responders

For emergency responders: Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.
6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Stop leak if safe to do so. Dam up. Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite or powdered limestone. Collect in closed and suitable containers for disposal. After cleaning, flush traces away with water. Dispose of contaminated materials in accordance with current regulations.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Disposal: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Avoid contact with skin, eyes and clothing. Do not breathe vapour/aerosol. Take precautionary measures against static discharges. Ensure equipment is adequately earthed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take any precaution to avoid mixing with incompatible materials. See also section 10. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Do not allow to enter into surface water or drains.

Hygiene measures: Keep good industrial hygiene. When using do not eat, drink or smoke. Wash hands and face before breaks and immediately after handling of the product. Take off contaminated clothing. Keep work clothes separately. Keep away from food, drink and animal feedingstuffs.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Do not store near or with any of the incompatible materials listed in section 10. Keep/Store only in original container. Keep container tightly closed in a cool, well-ventilated place.

Packaging materials: Keep/Store only in original container.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Fuels, diesel (68334-30-5)</th>
<th>Limit value (mg/m³)</th>
<th>100 mg/m³ (aerosol and vapor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belgium</td>
<td>OEL (8 hours ref)</td>
<td>100 mg/m³</td>
</tr>
<tr>
<td>Ireland</td>
<td>OEL (15 min ref)</td>
<td>300 mg/m³ (calculated)</td>
</tr>
<tr>
<td>Poland</td>
<td>NDS</td>
<td>0,5 mg/m³ (respirable fraction stable particulates)</td>
</tr>
<tr>
<td>Portugal</td>
<td>OEL TWA</td>
<td>100 mg/m³ (aerosol and vapor)</td>
</tr>
<tr>
<td>USA - ACGIH</td>
<td>ACGIH TWA</td>
<td>100 mg/m³ (inhalable fraction and vapor)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DNEL/DMEL (workers)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute - systemic effects, inhalation</td>
<td>(15min) 4300 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Long-term - systemic effects, dermal</td>
<td>(8h) 2.9 mg/kg bodyweight/day</td>
<td></td>
</tr>
<tr>
<td>Long-term - systemic effects, inhalation</td>
<td>(8h) 68 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DNEL/DMEL (general population)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute - systemic effects, inhalation</td>
<td>(15min) 2600 mg/kg bodyweight/day</td>
<td></td>
</tr>
<tr>
<td>Long-term - systemic effects, inhalation</td>
<td>20 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Long-term - systemic effects, dermal</td>
<td>1,3 mg/kg bodyweight/day</td>
<td></td>
</tr>
</tbody>
</table>
8.2. Exposure controls

Engineering control measures: Provide adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Take precautionary measures against static discharge. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Organisational measures to prevent/limit releases, dispersion and exposure. See also section 7.

Personal protection equipment: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand protection: The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves. rubber gloves. (EN 374).

Eye protection: Safety glasses (EN 166)

Body protection: Wear suitable overalls to prevent exposure to the skin


Thermal hazard protection: Not required for normal conditions of use. Use dedicated equipment.

Environmental exposure controls: Do not allow to enter into surface water or drains. Comply with applicable Community environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid

Colour: No data available.

Odour: characteristic.

Odour threshold: No data available

pH: Not applicable

Relative evaporation rate (butylacetate=1): No data available

Melting point/freezing point: No data available

Freezing point: No data available

Initial boiling point and boiling range: 163 - 375 °C

Flash point: > 55 °C

Auto-ignition temperature: 250-460 °C

Decomposition temperature: No data available

Flammability (solid, gas): Not applicable, liquid

Vapour pressure: No data available

Vapour density: No data available

Relative density: 0,820 - 0,845 g/cm³ (15°C)

Solubility: Water: < 20 mg/l

Partition coefficient n-octanol/water: 3,9-6

Kinematic viscosity: 4,574 mm²/s @ 20°C

Dynamic viscosity: No data available

Explosive properties: Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties: Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.

Explosive limits: 0.6 vol %, 6.5 vol %

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
Flammable liquid. Reference to other sections: 10.5.

10.2. Chemical stability
The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions
Vapours can form explosive mixtures with air.

10.4. Conditions to avoid
Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. See also section 7. Handling and storage.

10.5. Incompatible materials
Incompatible with strong acids and oxidizing agents. Bases. See also section 7. Handling and storage.

10.6. Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. Reference to other sections: 5.2.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Fuels, diesel (68334-30-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity: Inhalation: Harmful if inhaled.</td>
</tr>
<tr>
<td>LD50/oral/rat: &gt; 2000 mg/kg</td>
</tr>
<tr>
<td>LD50/dermal/rabbit: &gt; 2000 mg/kg</td>
</tr>
<tr>
<td>LC50/inhalation/4h/rat: 4.1 mg/l/4h</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Causes skin irritation.

pH: Not applicable

Serious eye damage/eye irritation: Not classified (Based on available data, the classification criteria are not met)

pH: Not applicable

Respiratory or skin sensitisation: Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity: Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity: Suspected of causing cancer.

Reproductive toxicity: Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure: Not classified (Based on available data, the classification criteria are not met)

STOT-repeated exposure: May cause damage to organs through prolonged or repeated exposure.

<table>
<thead>
<tr>
<th>Fuels, diesel (68334-30-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOAEL (dermal, rat/rabbit, 90 days): 30 mg/kg bodyweight/day</td>
</tr>
<tr>
<td>Aspiration hazard: May be fatal if swallowed and enters airways.</td>
</tr>
</tbody>
</table>

FUELS, DIESEL (68334-30-5)

Kinematic viscosity: 4.574 mm²/s @ 20°C

Other information: Symptoms related to the physical, chemical and toxicological characteristics. Reference to other sections: 4.2.
SECTION 12: Ecological information

12.1. Toxicity

Environmental properties: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**FUELS, DIESEL (68334-30-5)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>21 mg/l (96 h)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>68 mg/l (48h)</td>
</tr>
<tr>
<td>EC50 other aquatic organisms 1</td>
<td>&gt; 1000 mg/l (40 h)</td>
</tr>
<tr>
<td>ErC50 (algae)</td>
<td>22 mg/l (72 h)</td>
</tr>
<tr>
<td>NOEC chronic fish</td>
<td>0.083 mg/l</td>
</tr>
<tr>
<td>NOEC chronic crustacea</td>
<td>0.2 mg/l</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

**FUELS, DIESEL (68334-30-5)**

Persistence and degradability: Readily biodegradable.

12.3. Bioaccumulative potential

**FUELS, DIESEL (68334-30-5)**

Partition coefficient n-octanol/water: 3.9-6

12.4. Mobility in soil

**FUELS, DIESEL (68334-30-5)**

Ecology - soil: No data available.

Surface tension: not relevant

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

Additional information: Do not allow to enter into surface water or drains

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations: Handle with care. Safe handling: see section 7. Handling and storage. Refer to manufacturer/supplier for information on recovery/recycling. Collect and dispose of waste product at an authorised disposal facility. Dispose of contaminated materials in accordance with current regulations.

Additional information: Never use pressure to empty container. Do not burn, or use a cutting torch on, the empty drum. Do not puncture or incinerate. Delivery to an approved waste disposal company. Dispose of contaminated materials in accordance with current regulations.

Further ecological information: Do not allow to enter into surface water or drains.


- Classified as hazardous waste according to European Union regulations
- Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities
- The following Waste Codes are only suggestions:
  - 130701 - fuel oil and diesel
  - 150110 - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN
14.1. UN number
UN number : 1202
UN-No : 1202
UN-No : 1202
UN-No. (ADN) : 1202
UN-No. (RID) : 1202

14.2. UN proper shipping name
Proper Shipping Name : DIESEL FUEL
Proper Shipping Name (IMDG) : DIESEL FUEL
Proper Shipping Name (IATA) : Diesel fuel
Proper Shipping Name (ADN) : DIESEL FUEL
Proper Shipping Name (RID) : DIESEL FUEL
Transport document description (ADR) : UN 1202 DIESEL FUEL, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG) : UN 1202 DIESEL FUEL, 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (ADN) : UN 1202 DIESEL FUEL, 3, III, ENVIRONMENTALLY HAZARDOUS
Transport document description (RID) : UN 1202 DIESEL FUEL, 3, III, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)
ADR
Transport hazard class(es) (ADR) : 3
Danger labels (ADR) : 3

IMDG
Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3

IATA
Transport hazard class(es) (IATA) : 3
Hazard labels (IATA) : 3

ADN
Transport hazard class(es) (ADN) : 3
Danger labels (ADN) : 3

RID
Transport hazard class(es) (RID) : 3
Danger labels (RID) : 3

14.4. Packing group
Packing group (ADR) : III
Packing group (IMDG) : III
Packing group (IATA) : III
Packing group (ADN) : III
Packing group (RID) : III

14.5. Environmental hazards
Dangerous for the environment : Yes
Marine pollutant : Yes
Other information : ADN :N2

14.6. Special precautions for user
Special precautions for user : No data available

- Overland transport
Classification code (ADR) : F1
Special Provisions : 640K, 363, 664
Limited quantities (ADR) : 5l
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC03, LP01, R001
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T2
Portable tank and bulk container special provisions (ADR) : TP1
Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Operation (ADR) : S2
Hazard identification number (Kemler No.) : 30
Orange plates

<table>
<thead>
<tr>
<th>tunnel restriction code</th>
<th>D/E</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAC code</td>
<td>3Y</td>
</tr>
</tbody>
</table>

**- Transport by sea**

- Special provisions (IMDG): 363
- Limited quantities (IMDG): 5 L
- Excepted quantities (IMDG): E1
- Packing instructions (IMDG): P001, LP01
- IBC packing instructions (IMDG): IBC03
- Tank instructions (IMDG): T2
- Tank special provisions (IMDG): TP1
- EmS-No. (Fire): F-E
- EmS-No. (Spillage): S-E
- Stowage category (IMDG): A
- Properties and observations (IMDG): Immiscible with water.

**- Air transport**

- PCA Excepted quantities (IATA): E1
- PCA Limited quantities (IATA): Y344
- PCA limited quantity max net quantity (IATA): 10L
- PCA packing instructions (IATA): 355
- PCA max net quantity (IATA): 60L
- CAO packing instructions (IATA): 366
- CAO max net quantity (IATA): 220L
- Special provisions (IATA): A3
- ERG code (IATA): 3L

**- Inland waterway transport**

- Classification code (ADN): F1
- Special provisions (ADN): 363, 640K
- Limited quantities (ADN): 5 L
- Excepted quantities (ADN): E1
- Carriage permitted (ADN): T
- Equipment required (ADN): PP, EX, A
- Ventilation (ADN): VE01
- Number of blue cones/lights (ADN): 0

**- Rail transport**

- Classification code (RID): F1
- Special provisions (RID): 363, 640K
- Limited quantities (RID): 5L
- Excepted quantities (RID): E1
- Packing instructions (RID): P001, IBC03, LP01, R001
- Mixed packing provisions (RID): MP19
- Portable tank and bulk container instructions (RID): T2
PORTABLE TANK AND BULK CONTAINER SPECIAL PROVISIONS (RID) : TP1
TANK CODES FOR RID TANKS (RID) : LGBF
TRANSPORT CATEGORY (RID) : 3
SPECIAL PROVISIONS FOR CARRIAGE – PACKAGES (RID) : W12
COLIS EXPRESS (EXPRESS PARCELS) (RID) : CE4
HAZARD IDENTIFICATION NUMBER (RID) : 30

14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

CODE: IBC : No data available.

SECTION 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

15.1.1. EU-REGULATIONS

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

<table>
<thead>
<tr>
<th>3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008</th>
<th>FUELS, DIESEL - Fuels, diesel</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.a. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F</td>
<td>FUELS, DIESEL - Fuels, diesel</td>
</tr>
<tr>
<td>3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10</td>
<td>FUELS, DIESEL - Fuels, diesel</td>
</tr>
<tr>
<td>3.c. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1</td>
<td>FUELS, DIESEL - Fuels, diesel</td>
</tr>
</tbody>
</table>

FUELS, DIESEL is not on the REACH Candidate List
FUELS, DIESEL is not on the REACH Annex XIV List

15.1.2. NATIONAL REGULATIONS

GERMANY

VwVwS ANNEX REFERENCE : Water hazard class (WGK) 2, hazard to waters (Classification according to VwVwS, Annex 1 or 2; ID No. 76)

NETHERLANDS

WATERBEZWAARLIJKHEID : 6 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. (A)
SZW-LIJST VAN KANKERWERKEKKENDE STOFFEN : FUELS, DIESEL is listed
SZW-LIJST VAN MUTAGENE STOFFEN : FUELS, DIESEL is listed
NIET-IMITATIEVE LIJST VAN VOORVOORPLANTING GIFTIGE STOFFEN – BORSTVOEDING : The substance is not listed
NIET-IMITATIEVE LIJST VAN VOOR VOORPLANTING GIFTIGE STOFFEN – VRUCHTBARHEID : The substance is not listed
NIET-IMITATIEVE LIJST VAN VOOR VOORPLANTING GIFTIGE STOFFEN – ONTWIKKELING : The substance is not listed
Denmark
Classification remarks: Emergency management guidelines for the storage of flammable liquids must be followed
Recommendations Danish Regulation: Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:
Safety datasheet sections which have been updated 1,2,3.

Abbreviations and acronyms:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNEL</td>
<td>Derived No Effect Level</td>
</tr>
<tr>
<td>DMEL</td>
<td>Derived Minimal Effect level</td>
</tr>
<tr>
<td>PNEC</td>
<td>Predicted No Effect Concentration</td>
</tr>
<tr>
<td>OEL- STEL</td>
<td>Occupational Exposure Limits - Short Term Exposure Limits (STELs)</td>
</tr>
<tr>
<td>TWA</td>
<td>time weighted average</td>
</tr>
<tr>
<td>LC50</td>
<td>Median lethal concentration</td>
</tr>
<tr>
<td>LD50</td>
<td>Median lethal dose</td>
</tr>
<tr>
<td>LL50</td>
<td>Median lethal level</td>
</tr>
<tr>
<td>EC50</td>
<td>Median Effective Concentration</td>
</tr>
<tr>
<td>EL50</td>
<td>Median effective level</td>
</tr>
<tr>
<td>ErC50</td>
<td>EC50 in terms of reduction of growth rate</td>
</tr>
<tr>
<td>ErL50</td>
<td>EL50 in terms of reduction of growth rate</td>
</tr>
<tr>
<td>NOEL</td>
<td>no-observed-effect level</td>
</tr>
<tr>
<td>NOEC</td>
<td>No observed effect concentration</td>
</tr>
<tr>
<td>NOELR</td>
<td>No observed effect loading rate</td>
</tr>
<tr>
<td>NOAEC</td>
<td>No observed adverse effect concentration</td>
</tr>
<tr>
<td>NOAEL</td>
<td>No observed adverse effect level</td>
</tr>
<tr>
<td>EWC</td>
<td>European waste catalogue</td>
</tr>
<tr>
<td>NA</td>
<td>Not applicable</td>
</tr>
<tr>
<td>N.O.S.</td>
<td>Not Otherwise Specified</td>
</tr>
<tr>
<td>VOC</td>
<td>Volatile organic compounds</td>
</tr>
<tr>
<td>mg/kg BW</td>
<td>mg/kg bodyweight</td>
</tr>
<tr>
<td>QSAR</td>
<td>Quantitative structure-activity relationship (QSAR)</td>
</tr>
<tr>
<td>ADN</td>
<td>Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin</td>
</tr>
<tr>
<td>ADR</td>
<td>Accord européen relatif au transport international des marchandises Dangereuses par Route</td>
</tr>
<tr>
<td>CLP</td>
<td>Classification, Labelling and Packaging Regulation according to 1272/2008/EC</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>IMDG</td>
<td>International Maritime Dangerous Goods Code</td>
</tr>
<tr>
<td>LEL</td>
<td>Lower Explosive Limit/Lower Explosion Limit</td>
</tr>
<tr>
<td>UEL</td>
<td>Upper Explosion Limit/Upper Explosive Limit</td>
</tr>
<tr>
<td>REACH</td>
<td>Registration, Evaluation, Authorisation and Restriction of Chemicals</td>
</tr>
</tbody>
</table>
WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)
ABM = Algemene beoordelingsmethodiek

Sources of key data used to compile the datasheet: European Chemicals Bureau: ecb.jrc.it CSR, SDS supplier.

Other information: Assessment/classification CLP. Article 9. Calculation method.

Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Inhalation)</th>
<th>Acute toxicity ( inh.), Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment - chronic hazard category 2</td>
</tr>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard, Category 1</td>
</tr>
<tr>
<td>Carc. 2</td>
<td>Carcinogenicity, Category 2</td>
</tr>
<tr>
<td>Flam. Liq. 3</td>
<td>Flammable liquids, Category 3</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>STOT RE 2</td>
<td>Specific target organ toxicity — Repeated exposure, Category 2</td>
</tr>
<tr>
<td>H226</td>
<td>Flammable liquid and vapour.</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled.</td>
</tr>
<tr>
<td>H351</td>
<td>Suspected of causing cancer.</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure.</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>ERC1</td>
<td>Manufacture of substances</td>
</tr>
<tr>
<td>ERC2</td>
<td>Formulation of preparations</td>
</tr>
<tr>
<td>ERC3</td>
<td>Formulation in materials</td>
</tr>
<tr>
<td>ERC4</td>
<td>Industrial use of processing aids in processes and products, not becoming part of articles</td>
</tr>
<tr>
<td>ERC5</td>
<td>Industrial use resulting in inclusion into or onto a matrix</td>
</tr>
<tr>
<td>ERC6a</td>
<td>Industrial use resulting in manufacture of another substance (use of intermediates)</td>
</tr>
<tr>
<td>ERC6b</td>
<td>Industrial use of reactive processing aids</td>
</tr>
<tr>
<td>ERC6c</td>
<td>Industrial use of monomers for manufacture of thermo-plastics</td>
</tr>
<tr>
<td>ERC6d</td>
<td>Industrial use of process regulators for polymerisation processes in production of resins, rubbers, polymers</td>
</tr>
<tr>
<td>ERC7</td>
<td>Industrial use of substances in closed systems</td>
</tr>
<tr>
<td>ERC8a</td>
<td>Wide dispersive indoor use of processing aids in open systems</td>
</tr>
<tr>
<td>ERC8d</td>
<td>Wide dispersive outdoor use of processing aids in open systems</td>
</tr>
<tr>
<td>ERC8e</td>
<td>Wide dispersive outdoor use of reactive substances in open systems</td>
</tr>
<tr>
<td>ERC8f</td>
<td>Wide dispersive outdoor use resulting in inclusion into or onto a matrix</td>
</tr>
<tr>
<td>ERC89</td>
<td>Wide dispersive indoor use of substances in closed systems</td>
</tr>
<tr>
<td>ERC9b</td>
<td>Wide dispersive outdoor use of substances in closed systems</td>
</tr>
<tr>
<td>ESVOC SPERC 1.1.v1</td>
<td>&lt;TX: _ERC1&gt;: &lt;tx: LS1244&gt; (SU8, SU9)</td>
</tr>
<tr>
<td>ESVOC SPERC 1.1b.v1</td>
<td>&lt;TX: _Q: 9269124915&gt;: &lt;tx: LS1244&gt; (SU3)</td>
</tr>
<tr>
<td>ESVOC SPERC 2.2.v1</td>
<td>Formulation &amp; packing of preparations and mixtures: Industrial (SU10)</td>
</tr>
<tr>
<td>ESVOC SPERC 4.10a.v1</td>
<td>Use as binders and release agents: Industrial (SU3)</td>
</tr>
<tr>
<td>ESVOC SPERC 4.19.v1</td>
<td>Rubber production and processing: Industrial (SU10)</td>
</tr>
<tr>
<td>ESVOC SPERC 4.3a.v1</td>
<td>&lt;TX: _Q: 10133224449&gt;: &lt;tx: LS1244&gt; (SU3)</td>
</tr>
<tr>
<td>ESVOC SPERC 4.6a.v1</td>
<td>Lubricants: Industrial (SU3)</td>
</tr>
<tr>
<td>ESVOC SPERC 4.7a.v1</td>
<td>Metal working fluids and rolling oils: Industrial (SU3)</td>
</tr>
<tr>
<td>ESVOC SPERC 6.1a.v1</td>
<td>Manufacture of substances: Industrial (SU8, SU9)</td>
</tr>
<tr>
<td>ESVOC SPERC 7.12a.v1</td>
<td>Use as a fuel: Industrial (SU3)</td>
</tr>
<tr>
<td>ESVOC SPERC 7.13a.v1</td>
<td>&lt;TX: _Q: 11133171109&gt;: &lt;tx: LS1244&gt; (SU3)</td>
</tr>
<tr>
<td>ESVOC SPERC 8.10b.v1</td>
<td>Use as binders and release agents: Professional (SU22)</td>
</tr>
<tr>
<td>ESVOC SPERC 8.15.v1</td>
<td>Road and Construction applications: Professional (SU22)</td>
</tr>
<tr>
<td>ESVOC SPERC 8.3b.v1</td>
<td>&lt;TX: _Q: 10133224449&gt;: &lt;tx: PRODUCT_USE_PROFESSIONAL&gt; (SU22)</td>
</tr>
<tr>
<td>ESVOC SPERC 8.6c.v1</td>
<td>Lubricants: Professional (SU22) - high environmental release</td>
</tr>
<tr>
<td>ESVOC SPERC 9.12b.v1</td>
<td>Use as a fuel: Professional (SU22)</td>
</tr>
<tr>
<td>ESVOC SPERC 9.12c.v1</td>
<td>&lt;tx: 11133171108&gt;: &lt;tx: CONSUMER&gt; (SU21)</td>
</tr>
</tbody>
</table>
ESVOC SPERC 9.6b.v1  

Lubricants: Professional (SU22) - low environmental release

PC13  
Fuels

PROC1  
Use in closed process, no likelihood of exposure

PROC10  
Roller application or brushing

PROC11  
Non industrial spraying

PROC13  
Treatment of articles by dipping and pouring

PROC14  
Production of preparations or articles by tableting, compression, extrusion, pelletisation

PROC15  
Use as laboratory reagent

PROC16  
Using material as fuel sources, limited exposure to unburned product to be expected

PROC17  
Lubrication at high energy conditions and in partly open process

PROC18  
Greasing at high energy conditions

PROC19  
Hand-mixing with intimate contact and only PPE available

PROC2  
Use in closed, continuous process with occasional controlled exposure

PROC20  
Heat and pressure transfer fluids in dispersive use but closed systems

PROC21  
Low energy manipulation of substances bound in materials and/or articles

PROC3  
Use in closed batch process (synthesis or formulation)

PROC4  
Use in batch and other process (synthesis) where opportunity for exposure arises

PROC5  
Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)

PROC6  
Calendering operations

PROC7  
Industrial spraying

PROC8a  
Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities

PROC8b  
Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities

PROC9  
Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

SU10  
Formulation [mixing] of preparations and/or re-packaging (excluding alloys)

SU11  
Manufacture of rubber products

SU21  
Consumer uses: Private households (= general public = consumers)

SU22  
Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU3  
Industrial uses: Uses of substances as such or in preparations* at industrial sites

SU8  
Manufacture of bulk, large scale chemicals (including petroleum products)

SU9  
Manufacture of fine chemicals

---


DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.