

# SAFETY DATA SHEET

BP Ultimate Diesel



## Section 1. Identification

|  |  |
|--|--|
| <b>Product name</b>                        | BP Ultimate Diesel   |
| <b>Product code</b>                        | 0000003121   |
| <b>SDS no.</b>                             | 0000003121   |
| <b>Use of the substance/mixture</b>        | Fuel for compression ignition diesel engines.<br>For specific application advice see appropriate Technical Data Sheet or consult our company representative.   |
| <b>Product type</b>                        | Oily liquid.   |
| <b>Supplier</b>                            | BP Oil New Zealand Limited<br>Ground floor and 1st floor<br>Watercare House<br>73 Remuera Road<br>Newmarket<br>Auckland<br>New Zealand<br><br>General enquiries<br>Helpdesk: 0800 800 027<br>Email: <a href="mailto:Customerenquiries@se1.bp.com">Customerenquiries@se1.bp.com</a> |
| <b>Emergency telephone number</b>          | Tel: 0800 805 111  |
| <b>New Zealand National Poisons Centre</b> | 0800 764 766   |

## Section 2. Hazards identification

|                            |   |
|----------------------------|---|
| <b>HSNO Classification</b> | 3.1 - FLAMMABLE LIQUIDS - Category D<br>6.3 - SKIN IRRITATION - Category B<br>6.7 - CARCINOGENICITY - Category B<br>6.1 - ACUTE TOXICITY (aspiration) (oral) - Category E<br>9.1 - AQUATIC ECOTOXICITY - Category B |
|----------------------------|---|

This material is classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 and has been classified according to the Hazardous Substances (Classifications) Regulations 2001.

This material is classified as DANGEROUS GOODS according to criteria in New Zealand Standard 5433:2012 Transport of Dangerous Goods on Land.

**Routes of entry** Dermal contact. Eye contact. Inhalation. Ingestion.

### GHS label elements

**Signal word** Danger

**Hazard statements** Combustible liquid.  
May be fatal if swallowed and enters airways.  
Causes mild skin irritation.  
Suspected of causing cancer.  
Toxic to aquatic life with long lasting effects.

### Precautionary statements

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Wear eye or face protection. Keep away from flames and hot surfaces. Avoid release to the environment. Keep out of reach of children. If medical advice is needed: Have product container or label at hand.

**Response** Collect spillage. Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Do NOT induce vomiting. IF exposed or concerned: Get medical advice/attention.

**Storage** Store locked up. Store in a well-ventilated place. Keep cool.

## Section 2. Hazards identification

### Disposal

Dispose of contents and container in accordance with all local, regional, national and international regulations.

### Symbol



### Other hazards which do not result in classification

Note: High Pressure Applications

Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency.

See 'Notes to physician' under First-Aid Measures, Section 4 of this Safety Data Sheet.

This material may contain significant quantities of polycyclic aromatic hydrocarbons, some of which have been shown by experimental studies to induce skin cancer.

## Section 3. Composition/information on ingredients

### Substance/mixture

Mixture

Complex mixture of middle distillate hydrocarbons, with carbon numbers in C10 to C28 range. May also contain small quantities of proprietary performance additives.

| Ingredient name | %     | CAS number |
|-----------------|-------|------------|
| Fuels, diesel   | >99.5 | 68334-30-5 |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

#### Inhalation

If inhaled, remove to fresh air. Get medical attention.

#### Ingestion

Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Aspiration hazard if swallowed. Can enter lungs and cause damage.

#### Skin contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.

#### Eye contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Check for and remove any contact lenses. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if symptoms occur.

### Indication of immediate medical attention and special treatment needed, if necessary

#### Notes to physician

Treatment should in general be symptomatic and directed to relieving any effects. Product can be aspirated on swallowing or following regurgitation of stomach contents, and can cause severe and potentially fatal chemical pneumonitis, which will require urgent treatment. Because of the risk of aspiration, induction of vomiting and gastric lavage should be avoided. Gastric lavage should be undertaken only after endotracheal intubation. Monitor for cardiac dysrhythmias.

Note: High Pressure Applications

Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. Injuries may not appear serious at first but within a few hours tissue becomes swollen, discoloured and extremely painful with extensive subcutaneous necrosis.

Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent damage. Note that high pressure may force the product considerable distances along tissue planes.

#### Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

## Section 5. Firefighting measures

### Extinguishing media

#### **Suitable**

In case of fire, use water fog, foam, dry chemical or carbon dioxide extinguisher or spray.

#### **Not suitable**

Do not use water jet.

### **Specific hazards arising from the chemical**

Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. Liquid will float and may reignite on surface of water.

### **Hazardous combustion products**

Combustion products may include the following:  
carbon oxides (CO, CO<sub>2</sub>) (carbon monoxide, carbon dioxide)

### **Hazchem code**

•3Z

### **Special precautions for fire-fighters**

No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

### **Special protective equipment for fire-fighters**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### **For non-emergency personnel**

Immediately contact emergency personnel. No action shall be taken involving any personal risk or without suitable training. Eliminate all ignition sources. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Floors may be slippery; use care to avoid falling. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Put on appropriate personal protective equipment (see Section 8).

#### **For emergency responders**

Entry into a confined space or poorly ventilated area contaminated with vapour, mist or fume is extremely hazardous without the correct respiratory protective equipment and a safe system of work. Wear self-contained breathing apparatus. Wear a suitable chemical protective suit. Chemical resistant boots. See also the information in "For non-emergency personnel".

### **Environmental precautions**

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage. In case of small spillages in closed waters (i.e. ports), contain product with floating barriers or other equipment. Collect spilled product by absorbing with specific floating absorbents. If possible, large spillages in open waters should be contained with floating barriers or other mechanical means. If this is not possible, control the spreading of the spillage, and collect the product by skimming or other suitable mechanical means. The use of dispersants should be advised by an expert, and, if required, approved by local authorities. Collect recovered product and other contaminated materials in suitable tanks or containers for recycle, recovery or safe disposal.

### Methods and material for containment and cleaning up

#### **Small spill**

Eliminate all ignition sources. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. The method and equipment used must be in conformance with appropriate regulations and industry practice on explosive atmospheres. Dispose of via a licensed waste disposal contractor.

## Section 6. Accidental release measures

### Large spill

Eliminate all ignition sources. Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Dike spill area and do not allow product to reach sewage system and surface or ground water. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use spark-proof tools and explosion-proof equipment. Contaminated absorbent material may pose the same hazard as the spilt product. The method and equipment used must be in conformance with appropriate regulations and industry practice on explosive atmospheres. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not swallow. Never siphon by mouth. Avoid exposure - obtain special instructions before use. Avoid breathing vapour or mist. Use only with adequate ventilation. Avoid release to the environment. Do not enter storage areas and confined spaces unless adequately ventilated. Wear appropriate respirator when ventilation is inadequate. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Wash thoroughly after handling. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container. Aspiration hazard if swallowed. Can enter lungs and cause damage. See also Section 8 for additional information on hygiene measures.

### Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Light hydrocarbon vapours can build up in the headspace of tanks. These can cause flammability/explosion hazards even at temperatures below the normal flash point (note: flash point must not be regarded as a reliable indicator of the potential flammability of vapour in tank headspaces). Tank headspaces should always be regarded as potentially flammable and care should be taken to avoid static electrical discharge and all ignition sources during filling, ullaging and sampling from storage tanks. Do not enter storage tanks. If entry to vessels is necessary, follow permit to work procedures. Entry to any tanks or other confined space requires a full risk assessment and appropriate control measures to be put in place in conformance with appropriate regulations and industry practice on confined space entry. When the product is pumped (e.g. during filling, discharge or ullaging) and when sampling, there is a risk of static discharge. Ensure equipment used is properly earthed or bonded to the tank structure. Electrical equipment should not be used unless it is intrinsically safe (i.e. will not produce sparks). Explosive air/vapour mixtures may form at ambient temperature. If product comes into contact with hot surfaces, or leaks occur from pressurised fuel pipes, the vapour or mists generated will create a flammability or explosion hazard. Product contaminated rags, paper or material used to absorb spillages, represent a fire hazard, and should not be allowed to accumulate. Dispose of safely immediately after use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name | Exposure limits   |
|-----------------|---|
| Fuels, diesel   | <b>ACGIH TLV (United States). Absorbed through skin.</b><br>TWA: 100 mg/m <sup>3</sup> , (measured as total hydrocarbons) 8 hours. Issued/Revised: 1/2007 Form: Inhalable fraction and vapor<br>TWA: 100 mg/m <sup>3</sup> 8 hours. Issued/Revised: 1/2007 Form: Total hydrocarbons |

#### Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### Appropriate engineering controls

Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.

Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards. The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

#### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

#### Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Eye protection

Chemical splash goggles.

#### Hand protection

Wear chemical resistant gloves. Recommended: Nitrile gloves.

Do not re-use gloves. Protective gloves must give suitable protection against mechanical risks (i.e. abrasion, blade cut and puncture). Protective gloves will deteriorate over time due to physical and chemical damage. Inspect and replace gloves on a regular basis. The frequency of replacement will depend upon the circumstances of use.

#### Skin protection

Use of protective clothing is good industrial practice. Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required. Wear suitable protective clothing. Footwear highly resistant to chemicals. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For greatest effectiveness against static electricity, overalls, boots and gloves should all be anti-static. When there is a risk of ignition wear inherently fire resistant protective clothes and gloves. Work clothing / overalls should be laundered on a regular basis. Laundering of contaminated work clothing should only be done by professional cleaners who have been told about the hazards of the contamination. Always keep contaminated work clothing away from

## Section 8. Exposure controls/personal protection

uncontaminated work clothing and uncontaminated personal clothes. When the risk of skin exposure is high (from experience this could apply to the following tasks: cleaning work, maintenance and service, filling and transfer, taking samples and cleaning up spillages) then a chemical protective suit and boots will be required. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. If there is a requirement for the use of a respiratory protective device, but the use of breathing apparatus (independent of ambient atmosphere) is not required, then a suitable filtering device must be worn. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions. Respiratory protection should conform to AS/NZS 1715 and AS/NZS 1716.

## Section 9. Physical and chemical properties

### Appearance

|  |   |
|--|---|
| Physical state                               | Oily liquid.  |
| Colour                                       | Clear Colourless. to Amber.   |
| Odour  | Diesel fuel   |
| Odour threshold                              | 0.7 ppm (Based on Diesel fuel)  |
| pH   | Not applicable. Based on: Solubility in Water (Very slightly soluble in water)  |
| Melting point                                | -29 to -18°C (-20.2 to -0.4°F) (Based on Diesel)  |
| Boiling point                                | 180 to 380°C (356 to 716°F)   |
| Drop Point                                   | Not available.  |
| Flash point                                  | Closed cup: >61.5°C (>142.7°F) [Pensky-Martens.]  |
| Auto-ignition temperature                    | 240°C (464°F)   |
| Flammability (solid, gas)                    | Not applicable. Based on physical state.  |
| Lower and upper explosive (flammable) limits | Lower: 0.7%<br>Upper: 5%  |
| Vapour pressure                              | 0.093 kPa (0.7 mm Hg) [20°C (68°F)]   |
| Vapour density                               | >1 [Air = 1]  |
| Density                                      | 830 kg/m <sup>3</sup> (0.83 g/cm <sup>3</sup> )   |
| Solubility                                   | Very slightly soluble in water  |
| Partition coefficient: n-octanol/water       | Not applicable. Based on Fuels, diesel - Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance. |
| Decomposition temperature                    | Not observed to decompose by final boiling point: >380°C (>716°F)   |
| Viscosity                                    | Kinematic: 2 to 4.5 mm <sup>2</sup> /s (2 to 4.5 cSt) at 40°C   |

## Section 10. Stability and reactivity

|                                    |   |
|------------------------------------|---|
| Chemical stability                 | The product is stable.  |
| Possibility of hazardous reactions | Under normal conditions of storage and use, hazardous reactions will not occur.<br>Under normal conditions of storage and use, hazardous polymerisation will not occur. |
| Conditions to avoid                | Avoid all possible sources of ignition (spark or flame). Avoid excessive heat.  |
| Incompatible materials             | Reactive or incompatible with the following materials: oxidising materials.   |
| Hazardous decomposition products   | Under normal conditions of storage and use, hazardous decomposition products should not be produced.  |

# Section 11. Toxicological information

## Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Harmful if inhaled.  |
| <b>Ingestion</b>    | Irritating to mouth, throat and stomach. Aspiration hazard if swallowed -- harmful or fatal if liquid is aspirated into lungs. |
| <b>Skin contact</b> | Causes mild skin irritation.   |
| <b>Eye contact</b>  | No known significant effects or critical hazards.  |

## Symptoms related to the physical, chemical and toxicological characteristics

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Adverse symptoms may include the following:<br>nausea or vomiting<br>headache<br>drowsiness/fatigue<br>dizziness/vertigo<br>unconsciousness |
| <b>Ingestion</b>    | Adverse symptoms may include the following:<br>nausea or vomiting   |
| <b>Skin contact</b> | Adverse symptoms may include the following:<br>irritation<br>redness  |
| <b>Eye contact</b>  | Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness  |

## Acute toxicity

| Product/ingredient name | Test                               | Species | Result      | Exposure | Remarks                     |
|-------------------------|------------------------------------|---------|-------------|----------|-----------------------------|
| Fuels, diesel           | LC50 Inhalation<br>Dusts and mists | Rat     | 4.1 mg/l    | 4 hours  | Based on Diesel fuel        |
|                         | LD50 Dermal                        | Rabbit  | >4300 mg/kg | -        | Based on No. 2 Heating Oil. |
|                         | LD50 Dermal                        | Rabbit  | >4300 mg/kg | -        | Based on Diesel fuel        |
|                         | LD50 Oral                          | Rat     | 17900 mg/kg | -        | Based on No. 2 Heating Oil. |
|                         | LD50 Oral                          | Rat     | 7600 mg/kg  | -        | Based on Diesel fuel        |

**Conclusion/Summary** Harmful if inhaled.

## Irritation/Corrosion

| Product/ingredient name | Species | Result                             | Score | Exposure | Observation | Conc. | Remarks                     |
|-------------------------|---------|------------------------------------|-------|----------|-------------|-------|-----------------------------|
| Fuels, diesel           | Rabbit  | Skin - Irritation                  | -     | -        | -           | -     | Based on No. 2 Heating Oil. |
|                         | Rabbit  | Skin - Irritation                  | -     | -        | -           | -     | Based on Diesel fuel        |
|                         | Rabbit  | Eyes - Non-irritating to the eyes. | -     | -        | -           | -     | Based on No. 2 Heating Oil. |
|                         | Rabbit  | Eyes - Non-irritating to the eyes. | -     | -        | -           | -     | Based on Diesel fuel        |

**Conclusion/Summary**

## Section 11. Toxicological information

|                    |   |
|--------------------|---|
| <b>Skin</b>        | Causes mild skin irritation.  |
| <b>Eyes</b>        | Not classified. Based on available data, the classification criteria are not met. |
| <b>Respiratory</b> | Not available.  |

### Sensitisation

| Product/ingredient name | Route of exposure | Species    | Result          | Remarks                     |
|-------------------------|-------------------|------------|-----------------|-----------------------------|
| Fuels, diesel           | skin              | Guinea pig | Not sensitising | Based on No. 2 Heating Oil. |
|                         | skin              | Guinea pig | Not sensitising | Based on Diesel fuel        |

### Conclusion/Summary

|                    |   |
|--------------------|---|
| <b>Skin</b>        | Not classified. Based on available data, the classification criteria are not met. |
| <b>Respiratory</b> | Not available.  |

### Potential chronic health effects

|                              |  |
|------------------------------|--|
| <b>General</b>               | May cause damage to organs through prolonged or repeated exposure. Vapour, mists or fumes may contain polycyclic aromatic hydrocarbons some of which are known to produce skin cancer.   |
| <b>Inhalation</b>            | Vapour, mists or fumes may contain polycyclic aromatic hydrocarbons some of which are known to produce skin cancer. May be harmful by inhalation after often repeated exposure. Vapour, mist or fume may irritate the nose, mouth and respiratory tract. |
| <b>Ingestion</b>             | If swallowed, may irritate the mouth, throat and digestive system. If swallowed, may cause abdominal pain, stomach cramps, nausea, vomiting, diarrhoea, dizziness and drowsiness.  |
| <b>Skin contact</b>          | As with all such products containing potentially harmful levels of polycyclic aromatic hydrocarbons, prolonged or repeated skin contact may eventually result in dermatitis or more serious irreversible skin disorders including cancer.                |
| <b>Eye contact</b>           | Vapour, mist or fume may cause eye irritation. Exposure to vapour, mist or fume may cause stinging, redness and watering of the eyes.  |
| <b>Carcinogenicity</b>       | Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.   |
| <b>Mutagenicity</b>          | No known significant effects or critical hazards.  |
| <b>Teratogenicity</b>        | No known significant effects or critical hazards.  |
| <b>Developmental effects</b> | No known significant effects or critical hazards.  |
| <b>Fertility effects</b>     | No known significant effects or critical hazards.  |

### Carcinogenicity

| Product/ingredient name | Test  | Species | Result  | Exposure                              |                            |
|-------------------------|-------|---------|---------|---------------------------------------|----------------------------|
| Fuels, diesel           | Mouse | Dermal  | 2 years | Positive -<br>Dermal -<br>Unspecified | -<br>Based on Heating Oil. |

**Conclusion/Summary** Suspected of causing cancer.

### Mutagenicity

| Product/ingredient name | Test                   | Experiment  | Result   | Remarks               |
|-------------------------|------------------------|---|----------|-----------------------|
| Fuels, diesel           | OECD 471               | Experiment: In vitro<br>Subject: Non-mammalian species          | Positive | Based on Diesel fuel  |
|                         | Equivalent to OECD 476 | Experiment: In vitro<br>Subject: Mammalian-Animal<br>Cell: Germ | Negative | Based on Heating Oil. |



## Section 11. Toxicological information

not guideline Experiment: In vivo Negative Based on Heating Oil.  
Subject: Unspecified  
Cell: Somatic

**Conclusion/Summary** Not classified. Based on available data, the classification criteria are not met.

### Reproductive toxicity

| Product/ingredient name | Maternal toxicity | Fertility | Developmental toxin | Species | Result | Exposure |
|-------------------------|-------------------|-----------|---------------------|---------|--------|----------|
| Fuels, diesel           | -                 | -         | Negative            | Rat     | Dermal | 20 days  |
|                         | -                 | -         | Negative            | Rat     | Dermal | 10 days  |
|                         | -                 | -         | Negative            | Rat     | Dermal | 10 days  |

**Conclusion/Summary** Development: Not classified. Based on available data, the classification criteria are not met.  
Fertility: Not classified. Based on available data, the classification criteria are not met.  
Effects on or via lactation: Not classified. Based on available data, the classification criteria are not met.

### Aspiration hazard

| Name          |
|---------------|
| Fuels, diesel |

## Section 12. Ecological information

**Ecotoxicity** Water polluting material. May be harmful to the environment if released in large quantities. This material is toxic to aquatic life with long lasting effects.

### Aquatic and terrestrial toxicity

| Product/ingredient name | Species        | Result/Test                             | Exposure | Effects           | Remarks  |
|-------------------------|----------------|---|----------|-------------------|--|
| Fuels, diesel           | Micro-organism | EL50 >1000 mg/l Nominal Fresh water     | 40 hours | growth inhibition | Based on Vacuum gas oil / Hydrocracked gas oil / Distillate Fuel |
|                         | Micro-organism | NOELR 3.217 mg/l Nominal Fresh water    | 40 hours | growth inhibition | Based on Vacuum gas oil / Hydrocracked gas oil / Distillate Fuel |
|                         | Algae          | Acute EL50 22 mg/l Nominal Fresh water  | 72 hours | (growth rate)     | Based on Diesel fuel   |
|                         | Daphnia        | Acute EL50 210 mg/l Nominal Fresh water | 48 hours | Mobility          | Based on Diesel fuel   |
|                         | Daphnia        | Acute EL50 68 mg/l Nominal Fresh water  | 48 hours | Mobility          | Based on Diesel fuel   |
|                         | Algae          | Acute ErL50 78 mg/l Nominal Fresh water | 72 hours | (growth rate)     | Based on Diesel fuel   |
|                         | Fish           | Acute LL50 65 mg/l Nominal              | 96 hours | Mortality         | Based on Diesel fuel   |

## Section 12. Ecological information

|         | Fresh water                                 |          |                |  |  |
|---------|---|----------|----------------|--|--|
| Fish    | Acute LL50 21 mg/l Nominal Fresh water      | 96 hours | Mortality      |  | Based on Diesel fuel   |
| Algae   | Acute NOELR 10 mg/l Nominal Fresh water     | 72 hours | (growth rate)  |  | Based on Diesel fuel   |
| Algae   | Acute NOELR 1 mg/l Nominal Fresh water      | 72 hours | (growth rate)  |  | Based on Diesel fuel   |
| Daphnia | Acute NOELR 46 mg/l Nominal Fresh water     | 48 hours | Mobility       |  | Based on Diesel fuel   |
| Fish    | Chronic NOEL 0.083 mg/l Nominal Fresh water | 14 days  | Mortality      |  | Based on Vacuum gas oil / Hydrocracked gas oil / Distillate Fuel |
| Daphnia | Chronic NOELR 0.2 mg/l Nominal Fresh water  | 21 days  | Immobilisation |  | Based on Vacuum gas oil / Hydrocracked gas oil / Distillate Fuel |

### Persistence and degradability

Expected to be biodegradable.

| Product/ingredient name | Test                           | Result                         | Remarks  |
|-------------------------|--------------------------------|--------------------------------|--|
| Fuels, diesel           | OECD 301 F                     | 60 % - Readily - 28 days       | Based on Diesel fuel                           |
|                         | OECD 301 F                     | 57.5 % - Not readily - 28 days | Based on Diesel fuel                           |
|                         | Equivalent to EPA OTS 796.3100 | 35 % - Not readily - 28 days   | Based on Gas Oils (petroleum), solvent refined |

### Bioaccumulative potential

This product is not expected to bioaccumulate through food chains in the environment.

### Mobility in soil

#### **Mobility**

Spillages may penetrate the soil causing ground water contamination. This material may accumulate in sediments.

#### **Soil/water partition coefficient (K<sub>oc</sub>)**

Not available.

#### **Other ecological information**

Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

## Section 13. Disposal considerations







### **Disposal methods**

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product

## Section 13. Disposal considerations

residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

| Regulatory information   | UN number      | Proper shipping name   | Classes | PG* | Label  | Additional information  |
|--------------------------|----------------|--|---------|-----|--|---|
| <b>New Zealand Class</b> | UN3082         | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S..<br>Marine pollutant (Diesel)        | 9       | III | <br>     | <b>Hazchem code</b> •3Z   |
| <b>ADG Class</b>         | Not regulated. | -  | -       | -   |  | <b>Remarks</b><br>Combustible liquid Class C1 (AS 1940).  |
| <b>IATA Class</b>        | UN3082         | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fuels, diesel)                      | 9       | III | <br>     | This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.  |
| <b>IMDG Class</b>        | UN3082         | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S..<br>Marine pollutant (Fuels, diesel) | 9       | III | <br> | This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.<br><b>Emergency schedules</b><br>F-A, S-F |

PG\* : Packing group

## Section 15. Regulatory information

### New Zealand Regulatory Information

|                             |   |
|-----------------------------|---|
| <b>HSNO Approval Number</b> | HSR001441   |
| <b>HSNO Group Standard</b>  | Diesel fuel   |
| <b>HSNO Classification</b>  | 3.1 - FLAMMABLE LIQUIDS - Category D<br>6.3 - SKIN IRRITATION - Category B<br>6.7 - CARCINOGENICITY - Category B<br>6.1 - ACUTE TOXICITY (aspiration) (oral) - Category E<br>9.1 - AQUATIC ECOTOXICITY - Category B |

### Regulation according to other foreign laws

|  |   |
|--|---|
| <b>REACH Status</b>                      | For the REACH status of this product please consult your company contact, as identified in Section 1. |
| <b>United States inventory (TSCA 8b)</b> | Not determined.   |

**Product name** BP Ultimate Diesel

**Product code** 0000003121

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**Date of issue** 11 March 2021

**Format** New Zealand

**Language** ENGLISH

( ENGLISH )

## Section 15. Regulatory information

|  |  |
|--|--|
| <b>Australia inventory (AICS)</b>                  | At least one component is not listed.  |
| <b>Canada inventory status</b>                     | At least one component is not listed.  |
| <b>China inventory (IECSC)</b>                     | All components are listed or exempted. |
| <b>Japan inventory (ENCS)</b>                      | At least one component is not listed.  |
| <b>Korea inventory (KECI)</b>                      | All components are listed or exempted. |
| <b>Philippines inventory (PICCS)</b>               | At least one component is not listed.  |
| <b>Taiwan Chemical Substances Inventory (TCSI)</b> | All components are listed or exempted. |

## Section 16. Other information

### History

|                                       |  |
|---------------------------------------|--|
| <b>Date of issue/Date of revision</b> | 11 March 2021  |
| <b>Date of previous issue</b>         | No previous validation.  |
| <b>Version</b>                        | 1  |
| <b>Prepared by</b>                    | Not available.   |
| <b>Key to abbreviations</b>           | Varies = may contain one or more of the following 64741-88-4, 64741-89-5, 64741-95-3, 64741-96-4, 64742-01-4, 64742-44-5, 64742-45-6, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-58-1, 64742-62-7, 64742-63-8, 64742-65-0, 64742-70-7, 72623-85-9, 72623-86-0, 72623-87-1 |

### Notice to reader

 **Indicates information that has changed from previously issued version.**

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