

**SAFETY DATA SHEET INFORMATION**  
For further information: Please refer to the Safety Data Sheet following

Issue: March 21

**PRODUCT:** Automotive Diesel

**Other Names:** Distillate, diesel

**Uses:** Fuel

**Signal Word:** Warning

<b>UN No.:</b>	N/R
<b>Dangerous Goods Class:</b>	N/R
<b>Subsidiary Risk:</b>	None
<b>Packing Group:</b>	N/R
<b>Hazchem Code:</b>	N/R
<b>Poisons Schedule:</b>	5

<b>Hazardous Nature:</b>	This product is classified as hazardous under the GHS Australia criteria.
<b>Hazard Statement:</b>	Combustible liquid
<b>GHS Classification:</b>	Flammable Liquids: 4; Aspiration Toxicant: 1; Specific Target Organ Toxicity (Repeated Exposure): 3; Skin Corrosion/Irritation: 3; Acute Aquatic Toxicant: 2; Chronic Aquatic Toxicant: 2.

<b>Physical Characteristics (Typical)</b>		<b>Section 9 of the SDS</b>
Appearance	Clear, straw coloured, mobile liquid	
Boiling Point/Range (°C):	180 – 380	
Flash Point (°C):	> 61.5	
Specific Gravity/Density (g/ml @ 15°C):	0.83	
pH:	Neutral	
Chemical Stability:	Stable at room temperature and pressure	
Reactivity:	Strong oxidising agents, excessive heat, strong acids and bases	

<b>Product Ingredients</b>			<b>Section 3 of the SDS</b>
<u>Ingredient</u>	<u>CAS Number</u>	<u>Proportion(%)</u>	
Diesel	68334-30-5	> 95	
Alkanes, straight chain (C <sub>10</sub> – C <sub>20</sub> )	928771-01-1	< 20	
Contains: Polycyclic aromatic hydrocarbons	various	< 1	

For further ingredients information, please refer to the full MSDS

**GHS Pictograms** **Section 2 of the SDS**



**DEFINITIONS**

Dangerous Goods	Products that are regulated for transport under the UN International guidelines are classified as Dangerous Goods. Products can be classified by their physical characteristics and may have only one Dangerous Goods designation, although may have a subsidiary risk. These products may be Dangerous Goods for transport by Air and Sea, but may not be classed as Dangerous Goods by Road and Rail in Australia. Refer to the Australian Code for Transport of Dangerous Goods by Road and Rail (ADG) for more information.
Hazardous Substances	Hazardous Substances are those products that are intrinsically hazardous by virtue of their chemical nature, rather than as a condition of their misuse. These hazards include mutagens, teratogens, carcinogens, and products that are harmful or irritant in nature. These products may or may not carry a Dangerous Goods classification.
Poisons	Poisons are products that are regulated by the dose or exposure, often having physical and chemical effects at certain concentrations particular to the nature of the product. The associated warnings, cautions and First Aid instruction are prescriptive under the regulation in Australia.

**SUMMARY INFORMATION ONLY**

## 1. IDENTIFICATION

**Product Name:** Automotive Diesel  
**Other Names:** Distillate, diesel  
**Chemical Family:** Petroleum hydrocarbons  
**Molecular Formula:** Not available  
**Recommended Use:** Fuel  
**Supplier:** Bulk Fuel Australia Pty Ltd.  
**ABN:** 15 122 432 062  
**Address:** 5a Jaybel Street, Salisbury QLD 4107  
**Telephone:** 1300 579 990  
**Fax:** +61 7 3259 8626  
**Emergency Phone:** **1300 131 001 (ISS First Response)**  
**All other inquiries:** 1300 579 990  
[www.bulkfuel.com.au](http://www.bulkfuel.com.au)

## 2. HAZARDS IDENTIFICATION

### Hazard Nature

This product is classified as hazardous under the GHS Australia criteria.

### Hazard Category

#### GHS Classification

Flammable Liquids: 4; Aspiration Toxicant: 1; Specific Target Organ Toxicity (Repeated Exposure): 3; Skin Corrosion/Irritation: 3; Acute Aquatic Toxicant: 2; Chronic Aquatic Toxicant: 2.

#### GHS Pictograms



### Hazard Statement

Combustible liquid

#### Hazard Statements

H227: Combustible liquid
H305: May be harmful if swallowed and enters airways
H332: Harmful if inhaled
H315: Causes skin irritation
H411: Toxic to aquatic life with long lasting effects
H351: Suspected of causing cancer

#### Precautionary Statements

P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P262: Do not get in eyes, on skin, or on clothing.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+312+101: IF SWALLOWED: Call a POISON CENTER/doctor, if you feel unwell, and have product container or label at hand.

P370+378: In case of fire: Use sand, earth, or chemical foam to extinguish.

P501: Dispose of contents, or container in accordance with local/regional/national/international regulation.

**Dangerous Goods Classification** N/R

**Poisons Schedule** 5

**Signal Word** Warning

### **3. COMPOSITION: Information on Ingredients**

<b>Chemical Ingredient</b>	<b>CAS Number</b>	<b>Proportion (% v/v)</b>
Diesel	68334-30-5	> 95
Alkanes, straight chain (C10 - C20)	928771-01-1	< 20
Contains: Polycyclic aromatic hydrocarbons	various	< 1%

### **4. FIRST AID MEASURES**

For advice, contact Poisons Information Centre (Phone Australia: 13 1126) or a doctor.

#### **Ingestion**

If swallowed, DO NOT induce vomiting. Keep at rest. Seek immediate medical attention.

#### **Eye Contact**

Flush eyes with large amounts of water until irritation subsides. Seek immediate medical attention.

#### **Skin Contact**

Flush area with large amounts of water and wash area with soap if available. Remove contaminated clothing, including shoes, and launder before reuse. Seek medical attention for skin irritations.

#### **Inhalation**

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing has stopped. Keep at rest. Seek immediate medical attention.

#### **First Aid Facilities**

Provide eye baths and safety showers.

#### **Medical Attention**

Treat according to symptoms.

### **5. FIRE FIGHTING MEASURES**

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress providing fire fighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

#### **Suitable Extinguishing Media**

Dry chemical or foam

#### **Hazards from combustion products**

This product is combustible. Keep away from sources of heat, sparks or electrical discharge. This product has the potential to develop flammable mixtures with air in extreme heat.

#### **Precautions for fire fighters and special protective equipment**

Full protective clothing and self-contained breathing apparatus

#### **Hazchem Code**

N/R

## **6. ACCIDENTAL RELEASE MEASURES**

### **Emergency Procedures**

Prevent product from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours or dusts from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

### **Methods and materials for containment**

#### ***Major Land Spill***

- Eliminate sources of ignition.
- Warn occupants of downwind areas of possible fire and explosion hazard, where present.
- Prevent product from entering sewers, watercourses, or low-lying areas.
- Keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on the ground water.
- Contain the spilled product using the resources in the spill kit.
- Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”

#### ***Major Water Spill***

- Eliminate any sources of ignition.
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard, where present.
- Notify the port or relevant authority and keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”.

## **7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

This product is combustible. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Use grounding leads to avoid discharge (electrical spark).

### **Conditions for Safe Storage**

Store in a cool, dry place away from direct sunlight. Do not pressurise, cut, heat or weld containers - residual vapours are combustible. This product will fuel a fire in progress.

### **Incompatible Materials**

Natural rubbers, EDPM

## **8. EXPOSURE CONTROLS: PERSONAL PROTECTION**

### **National Exposure Standards**

The time weighted average concentration (TWA) for this product is: None specified: consider 100 mg/m<sup>3</sup> for similar product type, which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short term exposure limit (STEL) is: None specified: consider 150 mg/m<sup>3</sup> for similar product type, which is the maximum allowable exposure concentration at any time. Replacing a TWA or STEL value for some products is a Peak Limitation value (Peak): None applies in this case. In addition to the exposure concentrations may be a subsidiary caution in such cases where the product is a skin sensitizer, represented as (Sen), where None applies in this case.

### **Biological Limit Values (BLV)**

None specified

### **Engineering Controls: Ventilation**

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof equipment.

### **Personal Protective Equipment**

**Respiratory Protection:** Where concentrations in air may approach or exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type 'A' filter material is considered suitable for this product.

**Eye Protection:** Always use safety glasses or a face shield when handling this product.

**Skin/Body Protection:** Always wear long sleeves, long trousers, or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves be worn when handling this product.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Property	Unit of measurement	Typical Value
Appearance	None	Clear, straw coloured, mobile liquid
Boiling Point/Range	°C	180 - 380
Flash Point	°C	> 61.5
SG/Density (@ 15°C)	g/ml; kgm <sup>-3</sup>	0.83
Vapour Pressure @ 20°C	kPa	0.1
Vapour Density @ 20°C	g/ml; kgm <sup>-3</sup>	No data available
Autoignition Temperature	°C	240
Explosive Limits in Air	% vol/vol	0.7 - 5.0
Viscosity @ 20°C	cPs, mPas	> 4.0
Percent volatiles	% vol/vol	> 99
Acidity/alkalinity as pH	None	Neutral
Solubility in Water	g/l	Negligible
Other solvents	-	Hydrocarbons

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Technical Data Sheet.

## **10. STABILITY AND REACTIVITY**

### **Chemical stability**

Stable at room temperature and pressure

### **Conditions to avoid**

Strong oxidising agents, excessive heat, strong acids and bases

### **Hazardous decomposition products**

Carbon dioxide, carbon monoxide on decomposition or incomplete oxidation

### **Hazardous reactions**

Excessive heat

### **Hazardous polymerisation**

Will not occur

## **11. TOXICOLOGICAL INFORMATION**

### **Acute Effects**

#### **Ingestion**

This material will cause irritation to the throat and tube to the stomach and may cause nausea. Absorption through skin exposure or inhalation can result in secondary poisoning. Vomiting may result in some of the product being aspirated to the lungs; this can result in chemical pneumonitis.

#### **Eye Contact**

Eye contact with this product will cause redness and swelling with a burning sensation and blurred vision. Prolonged eye damage can be mitigated with First Aid.

#### **Skin Contact**

Contact with this product can result in mild irritations evidenced by swelling, redness, and dryness of the affected area.

#### **Inhalation**

Vapours at elevated temperatures will cause dizziness and drowsiness. Vapours at room temperature should be controlled through adequate (do not use in confined spaces) or mechanical ventilation.

### **Chronic Effects**

Repeated or prolonged contact with this product can result in irritant contact dermatitis if PPE precautions are not observed. Individuals with pre-existing skin or respiratory conditions may be sensitive to this product.

### **Other Health Effects Information**

Persons with pre-existing skin conditions will be sensitive to this product. There is evidence of malignant tumours in animals with prolonged exposure. The relevance of this data to human cancers is inconclusive. It is advised to limit direct contact with this product in prolonged exposure periods.

### **Toxicological Information**

Oral LD<sub>50</sub>: Rat: 7500 mg/kg

Dermal LD<sub>50</sub>: Rabbit: > 5 ml/kg

## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

#### **Aquatic Toxicity:**

Fish Toxicity LC <sub>50</sub> :	This product is considered harmful to the aquatic environment
Daphnia Magna EC <sub>50</sub> :	This product is considered harmful to the aquatic environment
Blue-green algae:	This product is considered harmful to aquatic plant life.
Green algae:	This product is considered harmful to aquatic plant life.

**Persistence/Biodegradability:** This product is expected to evaporate and commence degradation on exposure to UV light and air.

**Mobility:** This is likely to be mobile on release to waterways, grasslands or soils.

## **13. DISPOSAL CONSIDERATIONS**

### **Disposal Methods**

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain product residue that may be harmful. Ensure that empty packaging is managed in accordance with Dangerous Goods regulations.

### **Special Precautions**

This product is not suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product should be treated and disposed through chemical waste treatment, or considered for use in recycling.

## 14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	N/R	UN No.	3082	UN No.	3082
Proper Shipping Name	Distillates	Proper Shipping Name	Distillates	Proper Shipping Name	Distillates
DG Class	N/R	DG Class	9	DG Class	9
Sub. Risk	None	Sub. Risk	None	Sub. Risk	None
Packing Group	N/R	Packing Group	III	Packing Group	III
Hazchem	N/R	Hazchem	•3Z	Hazchem	•3Z

### Dangerous Goods Segregation

This product is not regulated for transport by Road and Rail.

## 15. REGULATORY INFORMATION

**Country/Region:** Australia

**Inventory:** AICS

**Status:** Listed

**Poisons Schedule:** 5

## 16. OTHER INFORMATION

**Reasons for Issue:** New manufacturer information; changes and updates in multiple sections.

### Abbreviations:

AICS: Australian Inventory of Chemical Substances

CAS Number: Chemical Abstracts Number

GHS: Global Harmonised System

IARC: International Agency for Research on Cancer

PPE: Personal Protective Equipment

N/R: Non-regulated

N/A: Not applicable

UN: United Nations

### References:

- Supplier Safety Data Sheets
- <http://hsis.ascc.gov.au/SearchHS.aspx> (March 21)
- Animal toxicology data: <http://chem.sis.nlm.nih.gov/chemidplus> (March 21)
- Ecotoxicology data: [http://cfpub.epa.gov/ecotox/quick\\_query.htm](http://cfpub.epa.gov/ecotox/quick_query.htm) (March 21)
- *Sax's Dangerous Properties of Industrial Materials*, Richard J Lewis Snr., pub. Canada (2005)

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Bulk Fuel Australia Pty Ltd.