aztec oils
LUBRICANT SPECIALISTS

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

15W/40 SHPD E9

Revision 0
Revision date 2012-11-30

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

1.1. Product identifier

Product name	15W/40 SHPD E9

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

Description	SHPD 15w/40 E9 is the latest generation of “Super High Performance” heavy duty diesel engine oils formulated to meet the most severe lubrication requirements demanded by Mercedes Benz, Cummins and Volvo. It has been formulated to meet the critical demands of Euro 4.

1.3. Details of the supplier of the safety data sheet

Company	Aztec Oils Limited
Address	29-33 Intake Rd Bolsover Business Park Bolsover Chesterfield S44 6BB United Kingdom

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Main hazards	No Significant Hazard

2.2. Label elements

	The product is classified in accordance with 67/548/EEC.
Risk phrases	No Significant Hazard.

2.3. Other hazards

Other hazards	No other known hazards.

Further information

	DMSO-content: <3% (according to IP346). SHPD 15w/40 E9 is the first choice for all European truck and buses used for inter city or long haul applications, where an oil needing to satisfy the requirements of Euro 4 and Euro 3 is called for. It is at the forefront of new heavy duty diesel engine oil technology meeting API CJ4, ACEA E9 and VDS-4 quality. Product Specification: API: CJ-4/CI-4/CH-4; ACEA E9-08 E7-08; MB 228.31; Cummins 20071/20081; MAN M3275; Mack EO-O PP07; Volvo VDS-4; Renault RVI RLD-3;Caterpillar ECF-2 ECF-3 and CF- 1A.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
BASE OLAZ		74869-22-0	278-012-2		80 - 90%	
ZINC ALKYL DITHIOPHOSPHATE			272-028-3		0.5 - 1%	Xi; R38-41 N; R51/53

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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Do not breathe dust or vapour.
Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

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

Skin contact	May cause irritation to skin and eyes.
Ingestion	DO NOT INDUCE VOMITING. Ingestion may cause nausea and vomiting.

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

Skin contact	Wash with soap and water.
Ingestion	If you feel unwell, seek medical advice (show the label where possible).

Further information

	No action shall be taken involving any personal risk or without suitable training.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use an extinguishing agent suitable for the surrounding fire. Carbon oxides. Carbon dioxide (CO_2). Sand.

5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes. Do not allow runoff water to enter sewers or drains.

5.3. Advice for firefighters

	Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space. Do NOT use water jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	No action shall be taken involving any personal risk or without suitable training. Adopt best Manual Handling considerations when handling, carrying and dispensing. Wear suitable protective equipment. Ensure adequate ventilation of the working area.

6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4. Reference to other sections

	Please always refer to sections 2 and 16.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing. Temperature: 0 - 50 °C.

7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

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7.3. Specific end use(s)

	Please use this product as indicated in sections 1 and 2. If you are uncertain please contact us immediately as not using the product in the right way could be dangerous for your health and machinery.

Further information

	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas.

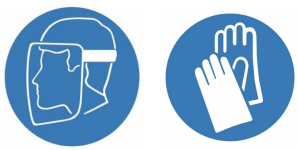
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

BASE OLAZ	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3: 5
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3: 10

8.2. Exposure controls



8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Wear:. Suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Amber
Odour	Slight
pH	Not applicable.
Melting point	No data available
Freezing Point	-31
Boiling point	> 150
Flash point	> 220
Evaporation rate	No data available
Flammability limits	No data available
Vapour Flammability	No data available
Vapour pressure	< 0.5
Vapour density	< 1
Relative density	0.887
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	> 300
Viscosity	106.02
Explosive	Stable under normal conditions
Oxidising	Not considered oxidising
Solubility	Immiscible in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

Further information

The figures in this section are for guidance only please always use them in conjunction with the technical data sheet.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal temperature conditions and recommended use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Do not mix the product with other materials. Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Store at temperatures between 0 °C and 50 °C.

10.5. Incompatible materials

Strong oxidising agents.

10.6. Hazardous decomposition products

Combustion or thermal decomposition coul liberate carbon oxides and other toxic gases or vapours.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

	GENERAL INFORMATION. This product has low toxicity. Only large volumes may have adverse impact on human health.
Skin corrosion/irritation	May cause sensitisation by skin contact.
Serious eye damage/irritation	May cause temporary eye irritation.
Respiratory or skin sensitisation	Unlikely to be hazardous by inhalation because of the low vapour pressure of the substance at ambient temperature.
Repeated or prolonged exposure	Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis and skin cancer.

11.1.4. Toxicological Information

BASE OLAZ	**Inhalation Rat LC50/30min:** >5.53	**Dermal Rat LD50:** >2000
	Oral Rat LD50: >5000	

	Information given is based on data on the components and the toxicology of similar products.

SECTION 12: Ecological information

12.1. Toxicity

BASE OLAZ	**Daphnia EC50/48h:** 101.0000 mg/l	**Algae IC50/72h:** 101.0000 mg/l
	Fish LC50/96h: 101.0000 mg/l	

12.2. Persistence and degradability

	The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic.

12.3. Bioaccumulative potential

	Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

12.4. Mobility in soil

	No data is available on this product. The product is non-volatile. The product is insoluble in water and will spread on the water surface.

12.5. Results of PBT and vPvB assessment

	Not applicable.

12.6. Other adverse effects

	May cause long-term adverse effects in the environment.

Further information

	Information given is based on data on the components and the toxicology of similar products.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Waste Code : 13 XX XX OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19) Code given as a guidance only it could vary from different products and the way they were used.

General information

	Dispose of in compliance with all local and national regulations.

Disposal of packaging

	We recycle 205L and 1000L packaging.

SECTION 14: Transport information

ADR/RID

	The product is not classified as dangerous for carriage.

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IMDG	
	The product is not classified as dangerous for carriage.

IATA	
	The product is not classified as dangerous for carriage.

Further information	
	The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
	UK Regulatory References. Health and Safety at Work Act 1974. Statutory Instruments. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Approved Code Of Practice.Safety Data Sheets for Substances and Preparations. Guidance Notes. Workplace Exposure Limits EH40. EU Legislation. Dangerous Preparations Directive 1999/45/EC. Dangerous Substance Directive 67/548/EEC.

15.2. Chemical safety assessment	
	No chemical safety assessment has been carried out.

SECTION 16: Other information

Other information	
Text of risk phrases in Section 3	R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Further information	
	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

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