



Safety Data Sheet

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Taurus SHPD 15W/40 E9





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Taurus SHPD 15W/40 E9

Product Code: M408

SECTION 1 IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING

1.1 Product Identifier	Taurus SHPD 15W/40 E9
Product Code	M408
1.2 Relevant identified uses of the substance or mixture and uses advised against	Vehicle engine oil. Do not use in any other application.
1.3 Company	Exol Lubricants Limited All Saints Road Wednesbury, West Midlands, WS10 9TS
1.4 Emergency Telephone Number	+44 (0) 121 568 6800 (Monday – Friday 08.30 – 17.00 hrs GMT)
1.5 Other Information	Preparation Date: 22/10/12

SECTION 2 HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture	CLP Classification: Not classified as hazardous Not classified as dangerous for the Environment ----- Classification to DPD (1999/45/EC) and CHIP Irritant; Skin sensitizer Labelling in accordance with CLP Labelling in accordance with CHIP
2.2 Label Elements	
2.3 Other Hazards	PBT: This substance is not identified as a PBT substance.

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 Mixtures Ingredients	EC No.	REACH Reg. No.	GHS Classification	DSD Classification	Conc. %
Polyolefin polyamine succinimide, borated	Polymer	Not available	Aquatic Chronic 4; H413	R53	1-3
Polyolefin polyamine succinimide	Polymer	Not Available	Skin Sens. 1; H317 Aquatic Chronic 4; H413	Xi; R43, R53	1-2
Zinc alkyl dithiophosphate	272-028-3	Not Available	Eye Dam. 1; H318 Aquatic Chronic 2; H411 Aquatic Chronic 4; H413	N, Xi; R41, R51/53	1-2
Polyolefin polyamine succinimide, polyol	Polymer	Not Available	Aquatic Chronic 4; H413	R53	1-2
Calcium long chain alkaryl sulfonate	Polymer	Not available	Skin Sens. 1; H317 Aquatic Chronic 4; H413	Xi; R43, R53	<1

Other Information

It is understood from toxicological information given for the components present, that at the treatment rate used in the finished oil, the material is not expected to cause allergic skin reactions.

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
Skin	Wash with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before reuse.
Ingestion	DO NOT INDUCE VOMITING. Get immediate medical attention.
Inhalation	Remove exposed person to fresh air if adverse effects are observed.



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- 4.2 Most important symptoms and effects, both acute and delayed
- 4.3 Indication of immediate medical attention and special treatment needed, if necessary

Skin Contact: There may be irritation at the site of contact.
Eye Contact: There may be irritation and redness.
Not applicable.

SECTION 5 FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media Use CO₂, foam, dry powder. DO NOT USE water jets.
- 5.2 Specific hazards arising from the substance or mixture Large surface areas exposed to air (e.g. product soaked rags, paper or absorbed spillage) may be easily ignited and should be cleared up at once.
- 5.3 Advice for fire-fighters Fires in confined spaces should be dealt with by trained personnel wearing approved breathing apparatus.
Water may be used to cool nearby heat exposed areas/objects/packages.
Avoid spraying water directly into storage containers because of the danger of boil-over.

SECTION 6 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures See Section 8 for protective equipment.
Soak liquid in absorbent material for disposal. Wash down floor area as spillage may be slippery. Larger spillage should be contained with sand or earth and collected in salvage container for disposal.
- 6.2 Environmental precautions Protect drains from potential spills to minimise contamination. Do not wash product into drainage system.
In the case of large spills contact the appropriate authorities. In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies.
- 6.3 Methods and material for containment and cleaning up Absorb into dry earth or sand. Protect drains using drain covers. Dispose of as hazardous waste.
- 6.4 Reference to other sections Personal protective equipment: See section 8

SECTION 7 HANDLING AND STORAGE

- 7.1 Precautions for safe handling Empty containers contain residue which may exhibit hazards of product. Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate. Avoid frequent or prolonged skin contact with fresh or used product. Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times. Wash hands thoroughly after contact. Use disposable cloths and discard when soiled. Do not put soiled cloths into pockets.
- 7.2 Conditions for safe storage, including any incompatibilities Do not store in open or unlabelled containers. Store away from strong oxidising agents or combustible material. Take precautionary measures to prevent product spills into drains, the ground or waters.
- 7.3 Specific end use(s) Intended for use as an engine oil.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters
- | Country | Substance | Long Term (8 Hours TWA) | Short Term (15 Mins) |
|---------|-----------|-------------------------|----------------------|
| EU | Oil Mist | 5 mg/m ³ | - |
- 8.2 Exposure controls
- Occupational Exposure Controls:** Ensure adequate ventilation. Use personal protective equipment and/or local ventilation when needed. Avoid skin contact and inhalation of oil mist. Thoroughly clean contaminated skin and change dirty clothing and equipment.
- Respiratory Protection:** Oil mist respirator (combined particle and organic vapour filter, type A2/P2) where there is a risk of generating oil mist.
- Hand Protection:** Protective gloves, PVC, nitrile rubber. Change protective gloves regularly.
- Eye Protection:** Safety goggles if there is a risk of splashing.
- Skin Protection:** Protective clothing when needed.
- Environmental Exposure Controls:** Take precautionary measures to prevent product spills into drains, the ground or waters.



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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Does not constitute a specification

Typical Values

Grades:

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Appearance

Units

Clear amber fluid

Odour

Characteristic

Odour Threshold

No data available

pH

Not applicable

Relative density

kg/m³

0.886 @ 20°C

Solubility - water

Insoluble

- Fat/solvents

Miscible with most organic solvents

Pour Point

°C

-33

Initial boiling point and range

°C

No data available

Flash point

°C

227

Flammability

No data available

Upper/lower flammability or explosive limits

No data available

Vapour pressure

kPa (0.1 mm Hg)

Not applicable

Partition coefficient n-octanol/water

Log Pow

Not applicable

Autoignition temperature

No data available

Decomposition temperature

No data available

Viscosity

mm²/s

118 @ 40°C

mm²/s

15.5 @ 100°C

Evaporation rate

Not applicable

Vapour density

Not applicable

Explosive properties

None

Oxidising properties

None

9.2 Other Information

None

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity

Stable at ambient temperatures.

10.2 Chemical stability

Stable under normal conditions of use

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Avoid overheating

10.5 Incompatible materials

Incompatible with strong oxidising agents.

10.6 Hazardous decomposition products

Thermal decomposition products will vary with conditions. Incomplete combustion will generate smoke, carbon dioxide and hazardous gases, including carbon monoxide and hydrogen sulphide and oxides of sulphur.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

- Oral

No toxic components present at levels to cause classification.

- Inhalation

No toxic components present at levels to cause classification.

- Dermal

No toxic components present at levels to cause classification.

Corrosivity/Irritation

- Eye

No components present that are classified as eye irritants.

- Skin

No components present that are classified as skin irritants.

- Respiratory Tract

No components present that are classified as respiratory irritants.

Sensitisation

- Skin

No evidence of sensitisation effects.

- Respiratory

No evidence of sensitisation effects.

Repeated-dose Toxicity

No data available.

Mutagenicity

No evidence of mutagenicity.

Carcinogenicity

No evidence of carcinogenicity.



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Reproductive Toxicity No evidence of reproductive toxicity.

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity	It is not expected to be toxic to aquatic organisms.
12.2 Persistence and Degradability	Expected to be inherently biodegradable.
12.3 Bioaccumulative Potential	No evidence to suggest bioaccumulation will occur.
12.4 Mobility in Soil	Accidental spillage may lead to penetration in soil and groundwater.
12.5 Results of PBT and vPvB Assessment	This substance is not identified as a PBT substance.
12.6 Other Adverse Effects	None.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Send to registered waste disposal site using services of a registered waste disposal contractor. Disposal of packaging: Dispose of as normal industrial waste. **NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14 TRANSPORT INFORMATION

Not classified as dangerous goods for carriage under ADR/RID/AND/IMDG/ICAO/IATA regulations

14.1 UN Number	-
14.2 UN Proper Shipping Name	-
14.3 Transport Hazard Class	-
14.4 Packing Group	-
14.5 Environmental Hazards	Not classified as an Environmentally hazardous substance/Marine Pollutant
14.6 Special Precautions for User	See section 8 for safe handling
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable to packaged goods

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Supply regulations: DPD: Dangerous Preparations Directive; GHS: Globally Harmonised System of classification and labelling of chemicals; CLP: Classification, Labelling and Packaging regulations. Transport regulations: CDG: Carriage of Dangerous Goods regulations; ADR/RID/IMDG/ICAO/IATA regulations.
15.2 Chemical Safety Assessment	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16 OTHER INFORMATION

Third Issue; Second Issue April 2012 revised to change application use; First issue February 2012 revised change in classification due to information received from additive supplier

Full text of classification data in sections 2 and 3

Skin Sens. 1 ; H317	Sensitisation, skin, Hazard Category 1 ; May cause an allergic reaction
Eye Dam. 1; H318	Serious eye damage/eye irritation, Hazard Category 1; Causes serious eye damage
Aquatic Chronic 2; H411	Aquatic toxicity, Hazard Category 2; Toxic to aquatic life with long lasting effects
Aquatic Chronic 4; H413	Aquatic toxicity, Hazard Category 4; May cause long lasting harmful effects to aquatic life
Xi ; R41	Irritant ; Risk of serious damage to the eyes
Xi ; R43	Irritant ; May cause sensitisation by skin contact
N ; R51/53	Dangerous to the Environment ; Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R53	May cause long-term adverse effects in the aquatic environment