



EXCELLENCE IN LUBRICANTS

SAFETY DATA SHEET

Taurus SHPD 10W/30 E9



EXOL LUBRICANTS LIMITED

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SAFETY DATA SHEET

Taurus SHPD 10W/30 E9

Product Code: M432

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

1.1 Product Identifier	Taurus SHPD 10W/30 E9
Product Code	M432
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: 24/03/2015

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 None Labelling in accordance with CLP None Required PBT: This substance is not identified as a PBT substance.
<i>See section 16 for full text of H and R phrases</i>	
2.2 Label Elements	
2.3 Other Hazards	

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 Mixtures Ingredients	EC No.	REACH Reg. No.	GHS Classification	DSD Classification	Conc. %
Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr)esters, zinc salts	283-392-8	01-2119493626-26	Aquatic Chronic 2; H411 Eye Dam. 1; H318 Skin Irrit. 2 ; H315	N, Xi; R38, R41, R51/53	<2
Benzene sulfonic acid, mono-C16-24- alkyl derivs., calcium salts	274-263-7	01-2119492616-28	Skin Sens. 1B; H317	Xi; R43	<1
Phenol, dodecyl-, branched	310-154-3	01-2119513207-49	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Eye Irrit. 2; H319 Repr. 2; H361 Skin Irrit. 2; H315	N, Xn; R36/38, R50/53, R62	<0.2
2,6-Di-tert-butylphenol	204-884-0	01-2119490822-33	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Skin Irrit. 2; H315	N, Xi; R38, R50/53	<0.2

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.



SAFETY DATA SHEET

Ingestion DO NOT INDUCE VOMITING. Get immediate medical attention.
Inhalation Remove exposed person to fresh air if adverse effects are observed.

- 4.2 Most important symptoms and effects, both acute and delayed** None given
- 4.3 Indication of immediate medical attention and special treatment needed, if necessary** Treat symptomatically

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** Elevated temperatures can lead to the formation of irritating fumes and vapours.
- 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)** See section 1

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters** None known
- 8.2 Exposure controls** **Exposure Controls:** Material should be handled in enclosed vessels and equipment, in which case general (mechanical) room ventilation should be sufficient. Local exhaust ventilation should be used at points where dust, mist, vapours or gases can escape into the room air.
Respiratory Protection: Use a half-mask respirator with an organic vapour cartridge if exposure limit is exceeded. Use respirator with a combination organic vapour and dust/mist cartridge.
Hand Protection: Protective gloves, nitrile rubber. Change protective gloves regularly.
Eye Protection: Chemical goggles or face shield
Skin Protection: Long sleeve shirt is recommended. Wear either a chemical protective suit or apron when potential for contact with material exists. Use chemically protective boots when necessary to avoid contaminating shoes. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction. Launder contaminated clothing before reuse.
Hygiene Measures: Wash thoroughly after handling this product.
Environmental Exposure Controls: See section 6



SAFETY DATA SHEET

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Does not constitute a specification

Typical Values Grades:

	Units	Taurus SHPD 10W/30 E9
Appearance		Clear amber fluid
Odour		Characteristic
Odour Threshold		No data available
pH		Not applicable
Relative density	kg/m ³	0.868 @ 20°C
Solubility - water		Insoluble
Pour Point	°C	-36
Initial boiling point and range	°C	No data available
Flash point	°C	225
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	mm ² /s	81.5 @ 40°C
	mm ² /s	12.0 @ 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.
Reproductive Toxicity	No evidence of reproductive toxicity.



SAFETY DATA SHEET

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity	It is not expected to be toxic to aquatic organisms.
12.2 Persistence and Degradability	No information available
12.3 Bioaccumulative Potential	No information available
12.4 Mobility in Soil	Accidental spillage may lead to penetration in soil and groundwater.
12.5 Results of PBT and vPvB Assessment	Not available
12.6 Other Adverse Effects	None known

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

Second Issue
First Issue May 2014: Changed to new format.

Full text of classification data in sections 2 and 3

Skin Sens. 1B ; H317	May cause an allergic reaction
Eye Dam. 1; H318	Causes serious eye damage
Skin Irrit. 2; H315	Causes skin irritation
Eye Irrit. 2; H319	Causes serious eye irritation
Repr. 2; H361	Suspected of damaging fertility or the unborn child
Aquatic Acute 1; H400	Very toxic to aquatic life
Aquatic Chronic 1; H410	Very toxic to aquatic life with long lasting effects
Aquatic Chronic 2; H411	Toxic to aquatic life with long lasting effects
Xi; R36/38	Irritating to eyes and skin
Xi; R38	Irritating to skin
Xi ; R41	Risk of serious damage to the eyes
Xi ; R43	May cause sensitisation by skin contact
Xn; R62	Possible risk of impaired fertility
N; R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N ; R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment



**SAFETY
DATA SHEET**