

# MATERIAL SAFETY DATA SHEET

## MOTRON MOTOR ENGINE OIL SAE 10W40 API SL/CF

### SECTION 01 - IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

**PRODUCT:** "MOTRON MOTOR ENGINE OIL SAE 10W40 API SL/CF"  
**CHEM NAME:** MIXTURE (SEE SECTION 2)  
**CHEM FAMILY:** PETROLEUM HYDROCARBON, ENGINE OIL  
**HEALTH HAZARD:** NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS

#### Application

It meets or exceeds the performance requirements of API Service Category SL/CF.  
For specific application advice, see appropriate Technical Data Sheet.

### SECTION 02 - COMPOSITION AND INFORMATION ON INGREDIENTS

#### Chemical Composition

Composition	Cas no	Percentage
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil based	72623-87-1	92-93
Performance Additives	Mixture	6-7
Zinc alkyl dithiophosphate	68649-42-3	<1
Phosphorodithioic acid, mixed O, O-bis (1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	<0.25

### SECTION 03 – HAZARDS IDENTIFICATION

This material is not considered to be Hazardous but should be handled in accordance with good industrial hygiene and safety practices.

### SECTION 04 – FIRST AID MEASURES

Eyes



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Wash eye thoroughly with copious quantities of water, ensure eyelids are held open. Obtain medical advice if any pain or redness develops or persists.

#### **Skin**

Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.

#### **Ingestion**

If contamination of the mouth occurs, wash out thoroughly with water.

Except as a deliberate act, the ingestion of large amount of product is unlikely. If should occur, do not induce vomiting; obtain medical advice.

#### **Inhalation**

If inhalation of mist, fumes, or vapor causes irritation to nose or throat, or coughing, remove to fresh air.

If symptoms persist, obtain medical advice.

#### **Medical advice**

Treatment should in general be symptomatic and directed to relieving any effects.

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### **SECTION 05 – FIRE FIGHTING MEASURES**

Use foam, dry powder, or water fog. Do not use water jets.

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/object/packages. Avoid spraying directly into storage containers because of the danger of boil-over.

#### **Combustion products**

Toxic fumes may evolve on burning or exposure to heat.

See stability and reactivity, section 10 of this Safety Data Sheet.

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### **SECTION 06 – ACCIDENTAL RELEASE MEASURES**

Contain and recover spilled material using sand or other suitable inert absorbent material.

It is advised that stocks of suitable absorbent material should be held in quantities sufficient to deal with any spillage which may be reasonably anticipated.

Spilled material may make the surface slippery.

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Protect drains from potential spills to minimize contamination. Do not wash products into drainage system.

In case of large spills, contact appropriate authorities.

In the case of spillage on water, prevent the spread of product using suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies.

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## **SECTION 07 - HANDLING AND STORAGE**

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 products.

Good working practices, high standards of personal hygiene and plant cleanliness must always be maintained.

Wash hands thoroughly after contact.

Use disposable cloth and discard when soiled. Do not put soiled cloth into pockets.

### **Fire prevention**

Product contaminated rags, paper or material used to absorb spillages, represent a fire hazard, and should not be allowed to accumulate. Dispose of it safely immediately after use.

### **Storage condition**

Store the products under cover away from heat and sources of ignition.

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## **SECTION 08 – EXPOSURE CONTROLS & PERSONAL PROTECTION**

### **Exposure Limits**

There is no appropriate occupational exposure limit for this material.

Ensure good ventilation.

Avoid as far as reasonably practicable inhalation of vapour, mists or fumes generated during use.

If vapour, mist, or fumes are generated, their concentration in the workplace air should be controlled to lowest reasonably practicable level.

### **Protecting clothing**

Wear face visor or goggles in circumstances where eye contact can accidentally occur.

If skin contact is likely, wear impervious protective clothing and/or gloves.

Heavily contaminated clothing as soon as reasonably practicable; dry clean, launder and preferably starch before re-use. Wash any contaminated underlying skin with soap and water.

### **Respiratory protection**

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Respiratory protection is unnecessary, provided the concentration of vapour mists or fumes is adequately controlled. The use of respiratory equipment must be strictly in accordance with the manufacturers in statutory requirements governing its selection and use.

#### SECTION 09 – TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Tests	Method	Results
Appearance	Visual	Clear & Bright
Water	Hot Plate	Nil
Color	D-1500	2.0
Density @ 15 °C, kg/L	D-1298	0.8685
Viscosity @ 100 °C, cSt	D-445	14.75
Viscosity @ 40 °C, cSt	D-445	105.6
Viscosity index	D-2270	145
Flash Point, °C (COC)	D-92	230
Pour Point, °C	D-97	-33
Foam SEQ.I/II/III	D-892	0/0/0
TBN, mg KOH/g	D-2896	6.5
CCS at -25°C (mPa.s)	D-5293	6280

#### SECTION 10 – STABILITY & REACTIVITY

##### Chemical Stability

Products of this type are stable and unlikely to react in a hazardous manner under normal conditions of use. Hazardous polymerization reaction will not occur.

##### Materials to avoid

Avoid contact with strong oxidizing agents.

##### Hazardous decomposition product

Thermal decomposition products will vary with conditions.

Incomplete combustion will generate smoke, carbon dioxide and hazardous gases, including carbon monoxide, hydrogen sulphide and oxides of sulphur and phosphorus.

#### SECTION 11 – TOXICOLOGICAL INFORMATION

##### Eyes



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Unlikely to cause more than transient stinging or accidental eye contact occurs.

#### **Skin**

Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis.

#### **Used oils**

Combustion products resulting from the operation of internal combustion contaminate oils during use. Used oil may contain hazardous components which have the potential to cause skin cancer. Frequent or prolonged contact with all types and makes of used oil must therefore be avoided. A high standard of personal hygiene maintained.

#### **Ingestion**

Unlikely to cause harm if accidentally swallowed in small doses through larger quantities may cause nausea and diarrhea.

#### **Inhalation**

At normal ambient temperatures this product will be to present an inhalation hazard of its low volatility may cause irritation to eyes nose and throat due to exposure to vapour, mists or fumes may be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition product occurs.

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### **SECTION 12 – ECOLOGICAL INFORMATION**

#### **Mobility**

Spillages may penetrate the soil causing ground water contamination.

#### **Persistence and degradability**

This product is inherently biodegradable.

#### **Bio accumulative potential**

There is no evidence to suggest bioaccumulation will occur.

#### **Aquatic toxicity**

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

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### **SECTION 13 – DISPOSAL CONSIDERATION**

Where possible, arrange for the product to be recycled.

Dispose of via an authorized person / licensed waste disposal contractor in accordance with local regulations. Incineration may be carried out or under controlled conditions provided that local regulations for emissions are met.

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### **SECTION 14 – TRANSPORT INFORMATION**

Not classified as hazardous for transport (ADR, RID, UN, IMO, IATA / CAO)

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### **SECTION 15 – REGULATORY INFORMATION**

Not classified as hazardous for supply.

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### **SECTION 16 – OTHER INFORMATION**

This data sheet and the health safety and environmental information it contains is considered as accurate as of the date specified below. We have reviewed any information contained herein which we received from sources outside of the company. However, no warranty or representation, express or implied is made as to the accuracy or completeness of the data and information contained in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission, recommendation or authorization given or implied to practice any patented invention without a valid license. The company shall not be responsible for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from any hazard inherent in the nature of the material.

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