according to Regulation (EC) No. 1907/2006

# DURON TM/MC -E 15W-40





# PETROCANADA

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

#### 1.1 Product identifier

Product name : DURON TM/MC -E 15W-40

Product code : DE15CBE, DE15P5R, DE15P20, DE15ICT, DE15IBC,

DE15DRR, DE15DRM, DE15DCT, DE15C16, DE15C12,

DE15C02, DE15, DE15BLK

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

Use of the : DURON-E 15W-40 is a superior quality heavy duty diesel

Substance/Mixture engine oil specifically designed for '07 EPA engine

requirements along with improved performance benefits in legacy engines. Application includes modern low emission diesel engines with cooled exhaust gas recirculation and exhaust after treatment technology. It is suitable also for passenger car and light truck diesel engines, and spark

ignition engines.

## 1.3 Details of the supplier of the safety data sheet

Manufacturer or supplier's details

Petro-Canada Europe Lubricants Limited

Wellington House, Starley Way

Birmingham International Park Solihull B37 7HB

United Kingdom

E-mail address of person

responsible for the SDS

: EUSDS@suncor.com

#### 1.4 Emergency telephone number

Emergency telephone

: Suncor Energy: +1 403-296-3000;

number

Poison Control Centre: Consult local telephone directory for

emergency number(s).

## **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

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#### 2.2 Label elements

## Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

# **Additional Labelling:**

EUH210 Safety data sheet available on request.

## 2.3 Other hazards

None known.

# **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

## **Hazardous components**

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		
	Registration number		
lubricating oils (petroleum), C15-	72623-86-0	Asp. Tox. 1; H304	30 - 50 %
30, hydrotreated neutral oil-based	276-737-9		
	01-2119474878-16-		
	0001		
A mixture of isomers of: C7-9-	125643-61-0	Aquatic Chronic 4;	2.5 - 10 %
alkyl 3-(3,5-di-trans-butyl-4-	406-040-9		
hydroxyphenyl)propionate			
bis(nonylphenyl)amine	36878-20-3	Aquatic Chronic 4;	1 - 2.5 %
	253-249-4	H413	
distillates (petroleum), solvent-	64742-65-0	Asp. Tox. 1; H304	1 - 10 %
dewaxed heavy paraffinic	265-169-7		
Zinc alkyldithiophosphate		Eye irr/damage 1;	1 - 2.5 %
	298-577-9	H318	
		Skin irr/cor. 2; H315	
		Aquatic Chronic 2;	
		H411	

For explanation of abbreviations see section 16.

# **SECTION 4: First aid measures**

## 4.1 Description of first aid measures

If inhaled : Move to fresh air.

Artificial respiration and/or oxygen may be necessary.

Seek medical advice.

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In case of skin contact : In case of contact, immediately flush eyes or skin with plenty

of water for at least 15 minutes while removing contaminated

clothing and shoes.

Wash skin thoroughly with soap and water or use recognized

skin cleanser.

Wash clothing before reuse.

Seek medical advice.

In case of eye contact : Remove contact lenses.

Rinse immediately with plenty of water, also under the eyelids,

for at least 15 minutes. Obtain medical attention.

If swallowed : Rinse mouth with water.

DO NOT induce vomiting unless directed to do so by a

physician or poison control center.

Never give anything by mouth to an unconscious person.

Seek medical advice.

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

Risks : First aider needs to protect himself.

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

## **SECTION 5: Firefighting measures**

# 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Unsuitable extinguishing

media

: No information available.

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during

firefighting

: Cool closed containers exposed to fire with water spray.

Hazardous combustion

products

: Carbon oxides (CO, CO2), nitrogen oxides (NOx), sulphur oxides (SOx), phosphorus oxides (POx), sulphur compounds

(H2S), zinc oxides (ZnOx), metal oxides, hydrocarbons, smoke and irritating vapours as products of incomplete

combustion.

## 5.3 Advice for firefighters

Further information : Prevent fire extinguishing water from contaminating surface

water or the ground water system.

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#### **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

Ensure adequate ventilation.

Evacuate personnel to safe areas.

Material can create slippery conditions.

Mark the contaminated area with signs and prevent access to

unauthorized personnel.

Only qualified personnel equipped with suitable protective

equipment may intervene.

# 6.2 Environmental precautions

Environmental precautions : If the product contaminates rivers and lakes or drains inform

respective authorities.

## 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Prevent further leakage or spillage if safe to do so.

Remove all sources of ignition. Soak up with inert absorbent material. Non-sparking tools should be used. Ensure adequate ventilation. Contact the proper local authorities.

# 6.4 Reference to other sections

For personal protection see section 8.

#### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the

application area.

In case of insufficient ventilation, wear suitable respiratory

equipment.

Avoid contact with skin, eyes and clothing.

Do not ingest.

Keep away from heat and sources of ignition. Keep container closed when not in use.

Advice on protection against

fire and explosion

: None known.

Hygiene measures : Wash face, hands and any exposed skin thoroughly after

handling. Remove and wash contaminated clothing and

gloves, including the inside, before re-use.

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#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: Store in original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers. To maintain product quality, do not store in heat or direct sunlight.

# 7.3 Specific end use(s)

# **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

# 8.2 Exposure controls

#### **Engineering measures**

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### Personal protective equipment

Eye protection : Wear face-shield and protective suit for abnormal processing

problems.

Hand protection

Material : neoprene, nitrile, polyvinyl alcohol (PVA), Viton(R).

Remarks : Chemical-resistant, impervious gloves complying with an

approved standard should be worn at all times when handling

chemical products if a risk assessment indicates this is

necessary.

Skin and body protection : Choose body protection according to the amount and

concentration of the dangerous substance at the work place.

Respiratory protection : Use respiratory protection unless adequate local exhaust

ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe

working limits of the selected respirator.

Filter type : organic vapour filter

Protective measures : Wash hands and face before breaks and immediately after

handling the product.

Wash contaminated clothing before re-use.

Ensure that eyewash station and safety shower are proximal

to the work-station location.

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# **SECTION 9: Physical and chemical properties**

# 9.1 Information on basic physical and chemical properties

Appearance : viscous liquid

Colour : Light amber.

Odour : Mild petroleum oil like.

Odour Threshold : No data available

pH : No data available

Pour point : -36 °C (-33 °F)

Boiling point/boiling range : No data available

Flash point : 228 °C (442 °F)

Method: Cleveland open cup

Fire Point : 247 °C (477 °F)

Auto-Ignition Temperature : No data available Evaporation rate : No data available

Flammability (solid, gas) : Low fire hazard. This material must be heated before ignition

will occur.

Upper explosion limit : No data available
Lower explosion limit : No data available
Vapour pressure : No data available

Relative vapour density

No data available

Relative density

No data available

Density : 0.8711 kg/l (15 °C / 59 °F)

Solubility(ies)

Water solubility : insoluble

Partition coefficient: n-

octanol/water

: No data available

Viscosity

Viscosity, kinematic : 118.2 cSt (40 °C / 104 °F)

15.6 cSt (100 °C / 212 °F)

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: Do not pressurise, cut, weld, braze, solder, drill, grind or Explosive properties

expose containers to heat or sources of ignition.

9.2 Other information

No data available

# **SECTION 10: Stability and reactivity**

10.1 Reactivity

10.2 Chemical stability

10.3 Possibility of hazardous reactions

Hazardous reactions : Hazardous polymerisation does not occur.

Stable under normal conditions.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : Reactive with oxidizing agents and water.

10.6 Hazardous decomposition products

Hazardous decomposition

products

May release COx, H2S, smoke and irritating vapours when

heated to decomposition.

# **SECTION 11: Toxicological information**

# 11.1 Information on toxicological effects

Information on likely routes of : Eye contact

exposure

Ingestion Inhalation Skin contact

**Acute toxicity** 

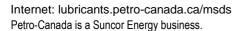
Product:

Acute oral toxicity : Remarks: No data available

Acute inhalation toxicity : Remarks: No data available

: Assessment: The substance or mixture has no acute dermal Acute dermal toxicity

toxicity



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#### **Components:**

lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg,

Acute inhalation toxicity : LC50 (Rat): > 5.2 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg,

distillates (petroleum), solvent-dewaxed heavy paraffinic:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg,

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg,

Skin corrosion/irritation

**Product:** 

Remarks: No data available

Serious eye damage/eye irritation

**Product:** 

Remarks: No data available

## **SECTION 12: Ecological information**

#### 12.1 Toxicity

**Product:** 

Toxicity to fish : Remarks: No data available

aquatic invertebrates

Toxicity to daphnia and other : Remarks: No data available

Toxicity to algae : Remarks: No data available

Toxicity to bacteria

Remarks: No data available

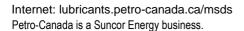
12.2 Persistence and degradability

**Product:** 

Biodegradability : Remarks: No data available

12.3 Bioaccumulative potential

No data available



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#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

Not relevant

#### 12.6 Other adverse effects

No data available

#### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water

courses or the soil.

Offer surplus and non-recyclable solutions to a licensed

disposal company.

Waste must be classified and labelled prior to recycling or

disposal.

Send to a licensed waste management company.

Dispose of product residue in accordance with the instructions

of the person responsible for waste disposal.

#### **SECTION 14: Transport information**

## **International Regulations**

#### **IATA-DGR**

Not regulated as a dangerous good

# **IMDG-Code**

Not regulated as a dangerous good

# Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

ADR: Not Regulated
ADN: Not Regulated
RID: Not Regulated

# **SECTION 15: Regulatory information**

# 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water contaminating class

: WGK 2

water endangering

(Germany)

## The components of this product are reported in the following inventories:

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DSL : On the inventory, or in compliance with the inventory

TSCA: All chemical substances in this product are either listed on the

TSCA Inventory or are in compliance with a TSCA Inventory

exemption.

ELINCS : At least one component is not listed in EINECS but all such

components are listed in ELINCS.

#### 15.2 Chemical safety assessment

#### **SECTION 16: Other information**

#### **Full text of H-Statements**

H304 : May be fatal if swallowed and enters airways.

H315 : Causes skin irritation.

H318 : Causes serious eye damage.

H411 : Toxic to aquatic life with long lasting effects.

H413 : May cause long lasting harmful effects to aquatic life.

#### Full text of other abbreviations

Aquatic Chronic : Chronic aquatic toxicity
Asp. Tox. : Aspiration hazard

Eye irr/damage : Serious eye damage/eye irritation

Skin irr/cor. : Skin corrosion/irritation

**Further information** 

For Copy of SDS : Internet: lubricants.petro-canada.ca/msds

Europe, telephone: 00-800-7387-6000

For Product Safety Information: 1 905-804-4752

Prepared by : Product Safety: +1 905-804-4752

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