



Safety Data Sheet

Raloy Diesel Power SAE 15W-40 CI-4 Plus/SL

Prepared accordingly to: NOM-018-STPS 2015; NMX-R-019-SCFI-2011 and GHS (Globally Harmonized System)

Section 1: Product and Company ID

Commercial Name: Raloy Diesel Power SAE 15W-40 CI-4 Plus/SL
Chemical Name: Lubricant Oil
Product Synonym: Oil for Internal Combustion 4 stroke engines
Product Code: EPT-B701 **Review Date:** 6/25/21 **Revision No.:** 23
Appropriate identified uses for the product or mix
Recommended use: Lubricant for internal combustion engines
Manufacturer: Raloy Lubricantes, S.A. de C.V.
Address: Av. del Convento N° 111, Parque Industrial Santiago Tianguistenco
Estado de México, México, C.P. 52600
Phone: +52 713 135-1900
Emergency number: SETIQ: 800 002 1400
Website: www.raloylubricantes.mx **e-mail:** atecnica@raloy.com.mx

Section 2: Hazard Determination

Even though this material is not considered dangerous by the OSHA Standard 29 CFR 1910.1200, this SDS contains valuable information for the handling and adequate use of the product. This SDS must be kept and shall be available for the product users.

Visual aspect: Amber liquid
Odor: Mild
Pictogram(s):



Signal word: !Warning
Other hazards: None identified
Cautions: Wear Personal protective equipment (PPE): glasses, gloves, protective wear. See Section 16.
Waste: All the waste practices must comply with the local, regional and international norms.

Section 3: Composition/Info from Components

Component	Percentage (% v/v)	# CAS
Base Oil	80-94%	64742-54-7
Additive Package	6-20%	Confidential (Mixture)

Section 4: First Aid Measures

Eyes: May cause irritation and blurry or cloudy vision. Eyes should be washed thoroughly with water, and if needed, get medical attention.

Skin: If exposed for long periods of time, may cause mild irritation. If product is released with high pressure an under skin injection could take place, in this case an emergency surgical intervention is required.

Inhalation: To inhale this material in concentrations over the advised limit may cause harmful effects over the central nervous system. May cause respiratory irritation or some other pulmonary effect after extended or repeated inhalation of the oil fog in levels higher than recommended for exposure limit.

Ingestion: This is an implausible exposure route but in the event of ingestion, do not induce vomit. If conscious, supply 2 glasses of water. Get medical attention immediately.

Signs and Symptoms of Explosion Effects over the central nervous system may include, headaches, dizziness, nausea, vomit, general weakness, lose of coordination, blurry vision, somnolence, confusion, disorientation. In the case of extreme exposure, effects over the central nervous system may include, respiratory depression, shaking and unconsciousness.



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Section 5: Measures to Fight Fire

Flash Point:	Varies depending on viscosity grade. – See ASTM D 92 results on section 9.
Extinguishing Media:	Carbon dioxide, chemical dry powder or foam. Water could be used for cooling and protecting exposed material.
Inadequate Extinguishing Media	Unspecified.
Fire Fighting Procedures	Use the complete protection equipment against fire, including the autonomous respiratory system, positive pressure operated with the mask, protective wear, pants, gloves and boots. Do not use jet of water.
Fire risks and unusual fires	High temperatures may lead to smoke and steam.

Section 6: Measures in case of accidental spillage

Individual Precautions Protective Equipment and Emergency Procedures	In case of leakage, clean the area as soon as possible. Personal protective equipment must be worn. Avoid any skin, eye and clothing contact. Ventilate the area if leakage takes place on an enclosed or poor ventilated area.
Environmental Precautions and Emergency Procedures	Take preventive measures needed to avoid any environmental contamination. Avoid spills on floors, sewers, fluvial channels and underground water deposits.
Cleaning and Disposal Methods	Secure the material in order to avoid future contamination. Clean the area using appropriate techniques such as the use of absorbent materials and pumping. Follow the established procedures to report important and out of control leaks.

Section 7: Handling and Storage

Handling Procedure:	Make sure there is proper ventilation. Keep containers closed and vertically positioned when not in use. Do not pour on sewer or the environment. Dispose of the material in an authorized collecting point. Use an appropriate safety container to avoid environmental pollution. Avoid contact with eyes, and also repeated or extended contact with skin. Do not eat, drink or smoke while handling this product. Avoid inhaling powder, smoke, fog or fumes. Avoid excessive overwarming. Do not use empty containers, these contain product residue which represent the same risks as full product. Do not drink, taste or swallow this product. Packaging and containers must be disposed in compliance with local, national and international norms.
Storage Procedure:	Take proper precautions to avoid environmental pollution. Store in a fresh, dry and well ventilated area. Decomposition from this product may produce toxic fumes if stored at temperatures over 60 °C for long periods of time or if extremely high sources of heat are used. Keep away from incompatible materials. Keep containers closed when not in use. Do not store in open containers, unlabeled or incorrectly labeled. See section 10 for incompatible material list.
Handling and Storage:	Do not store near heat sources, flame, sparks or strong anti-rust. Keep containers closed and labeled at all times when not in use. Do not store next to incompatible materials.

Section 8: Exposure Control/Personal Protection

Respiratory Protection	In normal conditions, respiratory protection is not required, special precautions are required if operation generates oil mist, the exposure is extended and the proper respirator is not used.
Eye Protection:	If there's any contact risk, wear protective glasses with lateral covers. Or a protective mask as a safety measure.



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Protective gloves:	Suggested materials for protective gloves are: viton and nitrile rubber. For use while this material is being handled.
Other Protective Measures	Consider this material's potential risk measures, exposure limits, activity and other substances in the work area. If the controls and work procedures are not the adequate ones to prevent exposure at dangerous levels, the use of protective equipment is advised (listed below). Operator must read and understand all the instructions and limitations stated on this Safety Data Sheet.
Occupational Exposure Limits:	
ACGIH TLV:	5 mg/m ³ (when fumes or fog are present)
OSHA PEL:	5 mg/m ³ (when fumes or fog are present)
Hygiene Measures:	Thoroughly wash hands after handling product. Do not eat, drink, or smoke.

Section 9: Physical and Chemical Properties.

Appearance:	Clear and Bright
Physical State:	Liquid
ASTM D1500 Color:	L4.5
Odor:	Mild
pH:	ND
Boiling Point, °C:	ND
Flash Point, °C:	215
Auto Ignition Point, °C:	ND
Pour Point, °C:	-27
Density @ 20 °C:	0.8775
Water Solubility:	Not soluble
Steam Pressure:	ND
Volatility Percentage:	ND
Kinematic Viscosity @ 100 °C, cSt.:	15.78

Section 10: Stability and Reactivity

Chemical Stability:	Material is generally stable at normal temperatures and pressures. Avoid high ignition energy sources.
Incompatibility (materials to avoid):	Strong acids, strong bases, strong oxidant agents.
Hazardous Byproducts released during decomposition:	Thermic Decomposition or burning could release carbon dioxide, carbon monoxide, nitrogen and sulphur.
Spontaneous Polymerization:	Won't occur.
Conditions to avoid:	Do not heat at temperatures higher than flashing point container is not designed for high pressure. Do not apply pressure while pouring, this could break container with explosive strength.

Section 11: Toxicological Info

Effects on eyes	Risk for eye irritation based on info for similar materials.
Effects on Skin	The risk for skin irritation is based on info for similar materials.
Acute Oral Effect	The Acute Oral Toxicity is based on info for similar materials.
Acute Inhalation Effects	The Acute Inhalation toxicity based on info for similar materials.
Additional Toxicological Information	This product contains mineral base or synthetic oil. These haven't been considered cause for cancer by OSHA Communication Risk Norm (29 CFR 1910.1200), the International Agency for Research on Cancer (IARC), or the National Toxicology Program (NTP).



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Section 12: Environmental Information

Ecotoxicity:	Available info regarding ecotoxicity states that side effects are not expected in aquatic organisms. Always keep oil contained to avoid water source, sewer and drain pollution.
Environment:	Given the lack of info specific to the environment regarding this product. It is supported by the info on representative products.

Section 13: Info regarding product disposal

Remarks for waste:	Place waste material in a container and dispose of it accordingly to local, regional, national and international norms. Do not dispose in water sources, drains or sewers.
Contaminated containers:	There are oil collecting services. Place contaminated oil in containers and dispose them according to norms and current regulations. Contact local, national and international Environmental Authorities for proper disposal method.

Section 14: Transportation Info

Transportation Name:	This product is not considered hazardous for transportation according to codes UN, IMO.
NOM-002-SCT/2011:	Not defined by this norm.
NOM-004-SCT/2008:	No regulated by this norm
DOT (Dept. Of Transport, USA):	Not regulated for bulk transport by land.
TDG: RID/ADR	Not regulated for rail bulk transport.
TDG: RID/ADR	Not regulated for bulk transport by land.
IMO, IMDG:	Not regulated for bulk transport by sea.
ICAO, IATA:	Not regulated for bulk transport by air.

Section 15: Info Regarding Regulations

NOM-018-STPS-2015:	Risk System due to chemical substances in the work center.
NOM-010-STPS-1999:	Safety and hygiene conditions in the work center where chemical materials are handled, transported, processed or stored. This material is capable of generating pollution in the work environment.
NOM-004-SCT-2008:	Systems of identification of units designated for the transport of hazardous substances, materials and waste.
International lists	
National inventory	
Australia:	All components are listed or exempted.
Canada:	All components are listed or exempted.
China:	All components are listed or exempted.
Japan:	All components are listed or exempted.
Republic of Korea:	All components are listed or exempted.
New Zealand:	All components are listed or exempted.
Philippines	All components are listed or exempted.
Taiwan:	All components are listed or exempted.
United States:	All components are listed or exempted.
Active	
Europe:	For information on compliance with regulation (EC) No. 1907/2006 (REACH) and amendments please contact your oil maker and additive package representative.



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Section 16: Other Info

Definitions:

N/A: Not applicable.

N/D: No data available

OSHA: Occupational Health and Safety Administration.

ACGIH: American Conference of Governmental Industrial Hygienists.

TLV: Threshold Limit Value

SDS: Safety Data Sheet.

CFR: Code of Federal Regulations.

PEL: Permissible Exposure Limits.

IMO: International Maritime Organization (IMDG: International Maritime Code of Dangerous Goods).

ICAO: International Civil Aviation Organization.

IATA: International Air Transport Association.

ADR: Agreement for the Transport of Dangerous Goods by Road.

RID: International Regulations Concerning the Transport of Dangerous Goods by Train.

REACH: Registration, Evaluation, Authorization and Restriction of Chemicals.

IARC: International Agency for Research on Cancer.

29 CFR 1910.1200 (OSHA HazCom 2012)

PERSONAL PROTECTIVE EQUIPMENT

Identification Word: C



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