SAFETY DATA SHEET

According to Regulation EC No 1907/2006 - REACH and Regulation EC No 1272/2008 - CLP and its later amendments

REPSOL ELITE LONG LIFE 50700/50400

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Commercial name	REPSOL ELITE LONG LIFE 50700/50400
Chemical name	Lubricating oil.
Synonyms	N/A
CAS	N/A
EC (EINECS)	N/A
Index No (annex VI Regulation EC No 1272/2008)	N/A
Registration Number	N/A
Authoritation Number	N/A
Material Code	RP135U

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

Automotive applications.

1.3 Details of the supplier of the safety data sheet

Company	REPSOL LUBRICANTES Y ESPECIALIDADES, S.A.
Address	Méndez Álvaro, 44 28045 - MADRID, Spain
Phone	+34 917538000 /+34 917538100
Fax	+34 902303145
e-mail address	FDSRLESA@repsol.com

1.4 Emergency telephone number

Carechem 24: +44 (0) 1235 239 670
Carechem 24: +1 215 207 0061
Carechem 24: 001866 928 0789

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture	2.2 Label elements
CLASSIFICATION Reg.(CE)1272/2008(CLP)	LABELLING

N/A	**Pictograms** N/A	
	Signal word	N/A
	Hazard statements	N/A
	Supplemental information	EUH 208: Contains C14-16-18 Alkylphenol. May produce an allergic reaction.
	Precautionary statements	N/A

- **Supplementary elements which must be displayed on the labels**

N/A

- **Special packaging requirements**

Containers which must be provided with a child safety seal:
Not applicable
Tactile hazzard warning:
Not applicable

2.3 Other hazards

Results of the assessment of PBT and vPvB in the product, in accordance with the criteria set out in Annex XIII of REACH, can be found in Section 12.5 of this MSDS.
Please refer to Sections 5, 6 and 7 of this MSDS for information on other dangers, different from classification dangers but which may contribute to the overall hazards of the product.

SECTION 3. Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Motor oil.

Dangerous components Reg. (CE) 1272/2008 (CLP)	Concentration (%)	Hazard statements
Destillates (petroleum), hydrotreated heavy paraffinic **CAS**: 64742-54-7 **EC (EINECS)**: 265-157-1 **Registration Number**: 01-2119484627-25-XXXX	>=30,05 <=32,55	H304
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based **CAS**: 72623-86-0 **EC (EINECS)**: 276-737-9 **Registration Number**: 01-2119474878-16-XXXX	>=3,75 <=6,25	H304

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based **CAS**: 72623-87-1 **EC (EINECS)**: 276-738-4 **Registration Number**: 01-2119474889-13-XXXX	>=3,75 <=6,25	H304
Bis(nonylphenyl)amine **CAS**: 36878-20-3 **EC (EINECS)**: 253-249-4 **Registration Number**: 01-2119488911-28-XXXX	>=0,40 <=1,62	H413
C14-16-18 Alkylphenol **EC (EINECS)**: 931-468-2 **Registration Number**: 01-2119498288-19 - XXXX	>=0,016 <=0,160	H317, H373

SECTION 4. First aid measures

4.1. Description of first aid measures

Inhalation: In case of inhalation remove the affected person to fresh air.
Administer oxygen if necessary.
Seek medical care.

Ingestion/Aspiration: Do not induce vomiting.
Seek medical care.

Contact skin: Wash with soap and plenty of water.
Call for medical attention.

Contact eyes: In case of contact with eyes, wash with plenty of water for at least 15 minutes.
Call for medical attention.

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

Inhalation: Repeated and prolonged exposures to high concentrations of vapor result in central nervous system damage and may cause cardiac irregularities.
In low areas or confined spaces, vapors may cause asphyxia.

Ingestion/Aspiration: Intestinal absorption is very limited.
Accidental intake of large amounts causes irritation of the gastrointestinal tract, nausea, vomiting and diarrhea.

Contact skin: Skin toxicity is very low in short contacts.
Prolonged contact with eyes may produce stinging, irritation, and dermatitis due removal of natural fats from skin.

Contact eyes: Skin toxicity is very low in short contacts.
Repeated exposure of eyes to vapors or liquid may cause irritation.

4.3. Indication of any immediate medical attention and special treatment needed
Seek medical care.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water spray, CO2, foam and dry chemical powder.

Unsuitable extinguishing media: Water applied directly in jet stream may disperse the product.

5.2. Special hazards arising from the substance or mixture

Combustion products: CO2, H2O, CO (in the absence of air), SO2, zinc oxides.

Special measures: Not required.

Special hazards: N/A

5.3. Advice for firefighters:
Clothing and gloves resistant to fire and SCBA.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid prolonged contact with product or contaminated clothes, and avoid inhalation of vapors.
Contaminated clothing should be discarded.

Personal protection: During the cleaning operation, wear suitable protective clothing, gloves, and safety goggles.

6.2. Environmental precautions

Prevent penetration of material into water sources.

6.3. Methods and material for containment and cleaning up

Treat as an accidental oil spill.
Avoid dispersion using mechanical barriers and eliminate using physical or chemical means.

6.4. Reference to other sections

Section 8 contains more detailed advice on personal protective equipment and section 13 on waste disposal.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

General precautions: Avoid prolonged contact with the product and prolonged inhalation of vapors or mists from the product.
During transfer avoid contact with air, use properly grounded pumps and connections to prevent generation of electrostatic charges.
In case of air pollution in the place of production or work, air must be filtered before discharge.
Ensure safe systems of work.

Specific conditions: Safety goggles or face-shield and gloves are recommended to protect from splashes.
Do not cut nor weld in areas close to filled tanks.
Follow similar precautions with empty containers.
Before making any repairs to a tank, make sure it is properly drained and washed and check inside for explosive atmosphere.

7.2. Conditions for safe storage, including any incompatibilities

Temperature and decomposition products: The incomplete combustion of the product can produce CO and other asphyxiating substances.

Dangerous reactions: N/A

Storage conditions: Drums properly sealed in cool and ventilated places.
Do not smoke, weld or do any work which can produce flames or sparks in storage area.

Incompatible materials: Strong oxidizing substances.

7.3. Specific end use(s)

See section 1 or exposure scenario

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Mineral oil mists
INSHT (Spain):VLA-ED: 5 mg/m³ / VLA-EC: 10 mg/m³
ACGIH(USA): TLV-TWA:5 mg/m³.
Työterveyslaitos, Sosiaali- ja terveysministeriö (Finland): TWA:5 mg/m³.
Lijst Grenswaarden / Valeurs Limites (Belgium):TWA: 5 mg/m³/ STEL: 10 mg/m³.
РБ МТСП и МЗ Наредба №13/2003 (Bulgaria): limit value 5 mg/m3.
178/2001 (Czech Republic):TWA: 5 mg/m³ / CEIL: 10 mg/m³.
Arbejdstilsynet (Denmark): GV: 1 mg/m³.
PD 90/1999 (Greece): TWA: 5 mg/m³.
EüM-SzCsM (Hungary): CEIL: 5 mg/m³.
NAOSH (Ireland): OELV: 5 mg/m³.
Ministero della Salute (Italy): TWA: 5 mg/m³.
LV Nat. Standardisation and Meterological Centre (Latvia):TWA: 5 mg/m³.
Del Lietuvos Higienos Normos (Lithuania): TWA: 1 mg/m³/ STEL: 3 mg/m³.
Nationale MAC-lijst (Holland): TGG: 5 mg/m³.
Arbeidstilsynet (Norway): AN: 1 mg/m³.
Rozporządzenie Ministra Pracy i Polityki Społecznej (Poland): TWA: 5 mg/m³ / STEL: 10 mg/m³.
Instituto Português da Qualidade (Portugal): TLV-TWA: 5 mg/m³/ STEL: 10 mg/m³.
Ministerul Muncii, Solidarităţii Sociale şi Familiei, şi Ministerul Sănătăţii Publice (Romania): VLA: 5 mg/m³ / Termen scurt: 10 mg/m³.
Nariadenie Vlády Slovenskej republiky (Slovakia): TWA: 5 mg/m³.
AFS 2005:17 (Sweden): NGV: 1 mg/m³ / KTV: 3 mg/m³.
EH40-MEL (United Kingdom, 2002): TWA: 5 mg/m³.

DNEL

CAS: 64742-54-7.
DN(M)ELs for workers

Acute exposure - systemic effects, Dermal (mg/kg bw /day): No hazard identified for this route
Acute exposure - systemic effects, Inhalation (mg/m³): No hazard identified for this route
Acute exposure - local effects, Dermal (mg/kg bw /day): No hazard identified for this route
Acute exposure - local effects, Inhalation (mg/m³): No hazard identified for this route
Long-term exposure - systemic effects, Dermal (mg/kg/8h): 50
Long-term exposure - systemic effects, Inhalation (mg aerosol/m³/8h): 140
Long-term exposure - local effects, Dermal (mg/kg bw /day): No hazard identified for this route
Long-term exposure - local effects, Inhalation (mg/m³): 5,4

DN(M)ELs for the general population

Acute exposure - systemic effects, Dermal (mg/kg bw /day): No DNEL needed

since no exposure expected
Acute exposure - systemic effects, Inhalation (mg/m³): No DNEL needed since no exposure expected
Acute exposure - local effects, Dermal (mg/kg bw /day): No DNEL needed since no exposure expected
Acute exposure - local effects, Inhalation (mg/m³): No DNEL needed since no exposure expected
Long-term exposure - systemic effects, Dermal (mg /kg /day): No DNEL needed since no exposure expected
Long-term exposure - systemic effects, Inhalation (mg aerosol /m³/24h): No DNEL needed since no exposure expected
Long-term exposure - systemic effects, Oral (mg /kg /day): 0,74
Long-term exposure - local effects, Dermal (mg/kg bw /day): No DNEL needed since no exposure expected
Long-term exposure - local effects, Inhalation (mg/m³): No DNEL needed since no exposure expected

CAS: 36878-20-3
DNELs for workers
Long term exposure, systemic effects, dermal (mg/kg/day): 0,62
Long term exposure, systemic effects, inhalation (mg/m3): 4,37

DNELs for consumers
Long term exposure, systemic effects, dermal (mg/kg/day): 0,31
Long term exposure, systemic effects, inhalation (mg/m3): 1,09
Long term exposure, systemic effects, oral (mg/kg/day): 0,31

PNEC

CAS: 64742-54-7.
PNEC water, sediments, soil, sewage treatment plant.

This substance is a hydrocarbon of complex, unknown or variable composition.
PNEC Derivation is not scientifically justified based on water solubility limitations.

PNEC oral (secondary poisoning)

PNEC oral (mg/kg food): 9,33

CAS: 36878-20-3
PNEC water
PNEC fresh water (mg/L): 0.1
PNEC seawater (mg/L): 0.01

PNEC sediments
PNEC fresh water (mg/kg): 132000
PNEC seawater (mg/kg): 13200

PNEC soil
PNEC soil (mg/kg): 263000

8.2 Exposure controls

Avoid contact with the product and inhalation of product mists and vapors. Local exhaust ventilation (LEV) close to generation point.

Individual protection measures, such as personal protective equipment

Respiratory protection: Low vapor pressure; the product is slightly volatile at room temperature and does not have special risks. In presence of heated oils, wear respiratory protection to avoid inhalation of vapors or mists.

Skin protection: Gloves (polyethylene, polyvinyl chloride and neoprene; do not use natural rubber or butyl).

Eye/face protection: Goggles to protect from splashes.

Other protective equipment: Showers and eye-washers in the work area.

Specific hygiene measures: Contaminated footwear should be discarded. Contaminated clothing should not be taken home for laundering with other clothing. Regular changing of underwear is also important to avoid possible penetration from outer clothing.
Washing/Showering facilities with a non-solvent based skin cleanser, hot water and soap must be provided and used. Use skin reconditioning cream after work.

Medical Conditions Aggravated by Exposure: Respiratory tract deficiencies and dermatological problems.

Environmental exposure controls:
Product should not reach the environment through wastewater or sewage. Measures to take in case of accidental release can be found in Section 6 of this MSDS.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Bright and clear.
Odour: N/A (*)
Odour threshold: N/A (*)
Colour: < 2.5 (ASTM D-1500)
pH: N/A (*)
Melting point/freezing point: -46 °C
Initial boiling point and boiling range: N/A (*)
Flash point: 288 °C typical (ASTM D-92)
Evaporation rate: N/A (*)
Flammability (solid, gas): N/A (*)
Upper/lower flammability or explosive limits: N/A (*)
Vapour pressure: N/A (*)
Vapour density: N/A (*)
Density: 0,8509 g/ml (ASTM D-4052)
Solubility(ies: N/A (*)
Partition coefficient: n-octanol/water: N/A (*)
Auto-ignition temperature: N/A (*)
Decomposition temperature: N/A (*)

Viscosity: 11,5 cSt (100 °C) 66,8 cSt (40 °C) (ASTM D-445)
Explosive properties: N/A (*)
Oxidising properties: N/A (*)

9.2 Other information
N/A (*)

(*) No data available at the time of writing or because it is not applicable due to the nature and danger of the product.

SECTION 10. Stability and reactivity

10.1. Reactivity: N/A

10.2. Chemical stability: Stable product at room temperature.

10.3. Possibility of hazardous reactions: The strong oxidants react in contact with oils and organic matter in general.

10.4. Conditions to avoid: Exposure to open flames.

10.5. Incompatible materials: N/A

10.6. Hazardous decomposition products: The incomplete combustion of the product can produce CO and other asphyxiating substances.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

The provided toxicological information results from the application of Annexes VII to XI of Regulation 1907/2006 (REACH).

Acute toxicity: CAS 64742-54-7. Oral: LD50 > 5000 mg/kg. Dermal: LD50 > 2000 mg/kg. inhalation: LC50 > 5,0 mg/l.

CAS: 36878-20-3. Rat oral LD50: > 5000 mg/kg; Rat dermal LD50: > 5000 mg/kg.

Skin corrosion/irritation: N/A

Serious eye damage/irritation: N/A

Respiratory or skin sensitisation: N/A

Germ cell mutagenicity: N/A

Carcinogenicity: Lubricant base oil. IARC classification: Group 3 (not classifiable as to carcinogenicity in humans)

Product rating corresponds to the comparison of the results from the toxicological studies with the criteria set out in Regulation (EC) No 1272/2008 for CMR, categories 1A and 1B.

Reproductive toxicity: No evidence exists.

STOT-single exposure: N/A

STOT-repeated exposure: N/A

Aspiration hazard: EC: 276-737-9. May be fatal if swallowed and enters airways. EC: 276-738-4. May be fatal if swallowed and enters airways. EC: 265-157-1. May be fatal if swallowed and enters airways.

SECTION 12. Ecological information

12.1. Toxicity:
CAS: 64742-54-7. Fish, acute LL50> 100 mg / l. Fish, long-term NOEL 10 mg / l.

CAS: 36878-20-3. LC50 (96 h) >100 mg/l, Brachydanio rerio (OCDE 203).

12.2. Persistence and degradability: The material is oily and viscous and floats on water. It presents a high physical contamination potential, mainly in sea-spills; destroys small aquatic organisms upon contact and makes living difficult for lower organisms, not allowing the sunlight to reach underlying marine ecosystems, affecting its normal development. Not readily biodegradable.

12.3. Bioaccumulative potential: There are no data to indicate that the product is significantly bioaccumulated by aquatic organisms or incidence in the trophic food web, although it may cause long-term adverse effects in the aquatic environment, due to its high physical contamination potential.

12.4. Mobility in soil: EC: 276-737-9 / EC: 265-157-1 / EC: 276-738-4. After release, is absorbed by soil.

12.5. Results of PBT and vPvB assessment: This mixture contains no substance considered to be PBT or vPvB.

12.6. Other adverse effects: N/A

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Disposal: Recycle and recover base oils when possible. In landfills and incineration managed by authorized agents. Avoid releasing waste oils to sewers because they can destroy water

treatment plant microorganisms.

Handling: Sealed containers. Avoid direct contact with waste.

Provisions: Establishments and companies which recover, dispose, store, transport or handle waste should comply with Dir. 2008/98/EC on waste, or other local, national or community provisions.

SECTION 14. Transport information

14.1. UN number: N/A

14.2. UN proper shipping name:
N/A

14.3. Hazard classes for transportation: N/A

14.4. Packing group

ADR/RID: N/A

IATA-DGR: N/A

IMDG: N/A

14.5. Environmental hazards

ADR/RID: N/A

IATA-DGR: N/A

IMDG: N/A

14.6. Special precautions for user
Stable at room temperature and during transport. Store in cool areas.

14.7. Transport in bulk in accordance with appendix II of the Marpol agreement and the IBC code
No category assigned for the IBC code.

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
COMMISSION REGULATION (EU) No 2015/830.
Globally Harmonized System of Classification and Labelling of Chemicals (GHS).
Regulation (EC) No 1272/2008 of the European Parliament and the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures (CLP).
Regulation (EC) No 1907/2006 concerning Registration, Evaluation, Authorization and

Restriction of Chemicals (REACH).
European Agreement concerning the international carriage of dangerous goods by road (ADR).
Regulation on the international transport of dangerous goods on the railway. (RID)
International maritime code of dangerous goods. (IMDG)
International Air Transport Association (IATA) regulation pertaining to air shipment.
International Bulk Chemical Code (IMSBC Code), MARPOL 73/78.

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Commission Regulation Other hazards
N/A

15.2. Chemical safety assessment
A chemical safety assessment has not been carried out.

SECTION 16. Other information

Glossary
MSDS: Material safety data sheet
CAS: Chemical Abstract Service
IARC: International Agency for Research on Cancer
ACGIH: American Conference of Governmental Industrial Hygienists.
TLV: Threshold Limit Value
TWA: Time Weighted Average
STEL: Short-term Exposure Level
REL: Recommendable Exposure Limit
PEL: Permissible Exposure Limit
INSHT: Instituto Nacional de Seguridad e Higiene en el Trabajo.
VLA-ED: Environmental limit value - daily exposure
VLA-EC: Limit environmental value - short exposure
DNEL/DMEL: Derived no-effect level / Derivation of minimal effects levels
PNEC: Predicted No Effect Concentration
LD50: Lethal Dose Medium
LC50: Lethal Concentration Medium
EC50: Effective Concentration Medium
IC50: Inhibitory Concentration Medium
BOD: Biological Oxygen Demand.
NOAEL: No observable adverse effect level
NOEL: No observed effect level
NOAEC: No observed adverse effect concentration
NOEC: No observed effect concentration
N/A: Not applicable
|| - | : Changes from the last revision

Data Bases consulted
EINECS: European Inventory of Existing Commercial Substances.
TSCA: Toxic Substances Control Act, US Environmental Protection Agency.
HSDB: US National Library of Medicine.
RTECS: US Dept. of Health & Human Services.

Hazard Class-and-Category shown in the document

H304: May be fatal if swallowed and enters airways.
H317: May cause an allergic skin reaction.
H373: May cause damage to organs through prolonged or repeated exposure.
H413: May cause long lasting harmful effects to aquatic life.

Purchasing companies have an obligation to ensure that their employees are properly trained on the safe handling and use of the product in accordance with the guidelines contained in this MSDS.

Furthermore, companies purchasing this product are required to inform their employees, and individuals who could manipulate or use it within their facilities, about all indications included in the MSDS, in particular those relating to the product's risks to the health and safety of people and to the environment.

The information given in this document has been compiled based on the best existing information sources, latest available knowledge and according to the current requirements on classification, packaging and labelling of hazardous substances. It does not imply the information is exhaustive or accurate in all cases. It is the user’s responsibility to determine the validity of the information contained in this Material Safety Data Sheet to apply depending on the case.