



Technical Product Sheet



PACKAGING :

PRODUCT		
Appearance:	1-litre plastic tub	4-litres plastic tub
Code:	EOS0540.01	EOS0540.04
Barcode (EAN13)	8059267044359	8059267066962

DESCRIPTION:

An extremely high quality, fully synthetic oil that conforms to the latest international standards and satisfies the requirements of European manufacturers for **petrol** or **diesel** engines.

Thanks to its low level of sulphated ash phosphorus sulphur (SAPS), this oil conforms to ACEA C3 standard and is ideal for use in modern engines equipped with anti-particulate exhaust gas treatment systems (APF or DPF).

Thanks to its innovative formula, **OP EXTRA SINT Fully Synthetic SAE 5W-40** is especially recommended in natural gas and LPG fuelled engines as well as in **Volkswagen engines fitted with fuel injection pump as set out by their performance conformity 505.01**.

FEATURES:

Thanks to its innovative formula, **OP EXTRA SINT Fully Synthetic SAE 5W-40** guarantees:

- maximum engine protection;
- excellent lubrication when cold, under all conditions, even at extremely low outside temperatures;
- low viscosity when cold for reduced fuel consumption;
- low evaporation for reduced oil consumption;
- high performance even with natural gas and LPG fuelled engines;
- excellent detergent and dispersant power for a cleaner engine;



Technical Product Sheet



CONFORMITY:

INTERNATIONAL SPECIFICATIONS	
ACEA	C3
API	SN/CF

CONFORMS TO THE FOLLOWING PERFORMANCE REQUIREMENTS			
BMW	LL-04		
FORD	WSS-M2C 917A		
MB (Mercedes Benz)	226.5	229.31	
GENERAL MOTORS / OPEL	GM Dexos2 lev.		
PORSCHE	A40		
RENAULT	RN0700	RN0710	
VW (Volkswagen)	502.00	505.00	505.01

DETAILS:

TYPICAL CHARACTERISTICS			
Characteristics	Method	Typical values	Unit of measurement
Density at 20°C	ASTM-D-1298	0,849	kg/l
Viscosity at 100°C	ASTM-D-445	13,80	cSt
Viscosity at 40°C	ASTM-D-445	84,00	cSt
Viscosity index	ASTM-D-2270	169	
C.O.C. inflammability	ASTM-D-92	232	°C
Pour point	ASTM-D-97	-36	°C

NOTE:

The above data are not a specification and are subject to normal production tolerance values. Considering the multiple possible applications and the possible interference by elements in no way related to us, we cannot be held in any way liable for results and experimental tests carried out at the sole risk of the user..



MSDS

according to EC Regulation 1907/2006
and seq. amendments (Regulation n.453/2010)

Update N. 02 of 07/02/2017
Sheet created on:18/11/2014



OP EXTRA SINT FULLY SYNTHETIC SAE 5W-40

1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY

1.1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE

Substance / Mixture	OP EXTRA SINT FULLY SYNTHETIC SAE 5W-40
Synonyms	
CAS Number	not applicable
CE Number	not applicable
INDEX Number	not applicable
Num.Registr.REACH	not applicable
Chemical Formula	
Molecular Weight	not applicable

1.2 Use of substance / preparation

Common use Synthetic lubricant for 4 stroke gasoline or diesel engines

Identified uses of the chemical safety report

1.3 Company Identification

Company:	EXO Automotive Spa
Address	Via San Marco 11c int. 69
Town / Country	Padova / Italy
Telephone num.	+39 049 744 99 70
Note	Office hours: from Monday to Friday 9:00 ÷ 13:00 and 14:00 ÷ 18:00
E-mail address	info@exoautomotive.it


1.4 Emergency telephone number

Emergency Phone Italy: +39 049 744 99 70 (Office hours: from Monday to Friday 9:00 ÷ 13:00 and 14:00 ÷ 18:00)

Italy: Poison Information Centre - Ospedale Maggiore di Milano (Niguarda): 02 66101029 (24h)

Foreign countries: Contact the closest Poisons Information Centre



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2 - HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Hazards

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

-

Classification according to Directive No. 1999/45/EC

-

No specific hazard under normal conditions. This product has no risks under normal conditions of use.

2.2 Label elements

Pictogram

Signal word

HAZARDS IDENTIFICATION

EUH 208

Contains: C14-16-18 Alkyl phenol. May produce an allergic reaction.

SAFETY ADVICE

General

Prevention

Reaction

Storage

Disposal

NOTE

OTHER INFORMATION

not available

2.3 Other hazards

Other hazards


This mixture does not meet the criteria for classification as PBT or vPvB according to Annex XIII of Regulation (EC) n. 1907/2006.

Chemical and physical hazards: if involved in a fire, the product may be subject to combustion. Thermal decomposition gives rise to flammable and toxic fumes, or vapors.

Health hazards: prolonged or repeated contact may irritate the skin and eye. Ingestion may cause gastric and intestinal irritation.

Environmental hazards: release to the environment can cause negative impact, particularly on aquatic organisms.



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3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Substance composition n.a.

3.2 Mixture

Mixture Composition

Mixture of synthetic base oils with the addition of multi-function technology additive.

The DMSO extract value of used mineral base oils is less than 3% (determined through the IP 346 method). They are therefore classified as not carcinogenic according to note L of Directive 94/69/EC (first introduced with the 21st ATP of Directive 67/548).

Main components:

Name	Quantities %	CAS	EC	REACH Registration number	Index	Classification
Lubricating oils (petroleum), C ₂₀₋₅₀ , hydrotreated neutral oil-based	78.7	72623-87-1	276-738-4	01-2119474889-13	649-483-00-5	Nota L

A quota of the same base with different viscosity is included. However, that does not affect the classification of the mixture.

Hazardous classified components:

Name	Quantities %	CAS	EC	REACH Registration number	Index	Classification
zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	0.6 - 1.2	93819-94-4	298-577-9	01-2119543726-33	-	Xi; R38, R41 N; R51/53 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 2; H411
bis(nonylphenyl)amine	0.33 - 1.2	36878-20-3	253-249-4	01-2119488911-28	-	R53 Aquatic Chronic 4; H318
C14-16-18 Alkyl phenol	0,12 - 1,2	-	-	‡	-	Xi; R43 R53 Skin Sens. 1B; H317 Aquatic Chronic 4; H413


‡ Not applicable. Substance present as an impurity.

According to declaration of the supplier of the additive, differently from the use of the maximum value, the exact percentage concentration of components classified as dangerous in the mixture does not make any classification to the final blend.

The mixture does not contain other dangerous substances in concentrations that would require mention.

The full text of risk phrases and the Notes is specified in section 16.



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4 - FIRST AID

4.1 Description of first aid measure

Eye contact:

- Rinse immediately with plenty of water for a few minutes holding open eyelid.

Skin contact:

- Take off immediately all contaminated clothing and wash with plenty of soap and water.

General warning: During accidents with pipes under pressure and similar, any substance can accidentally be injected into tissues under the skin, even without apparent surface damage. In that case, the injured person must be taken to hospital immediately for suitable care. Do not wait for symptoms to develop.

Inhalation:

- If exposed to high concentration of vapours and mists, take the person away from the contaminated area to a well ventilated area.

- If breathing is difficult, give oxygen if possible, or assisted ventilation (no mouth-to-mouth ventilation). Consult a doctor if necessary.

Ingestion:

- Do not cause the vomit in order to avoid aspiration of the substance through the respiratory tract. Consult for a doctor.

4.2 Major symptoms and effects, both acute and delayed

The product is not harmful, based on the present state of our knowledge.

No specific hazard under normal conditions of use.


See sec. 11

4.3 Statement of the need to consult a doctor immediately or special treatments

Seek immediate medical advice after eye contact, for persistent irritation to the skin and after ingestion.

Get medical attention if breathing is difficult. Induce vomiting only if indicated by your doctor.



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5 - FIREFIGHTING MEASURES

- 5.1 Extinguishing Media** **Suitable extinguishing media:**Use extinguishing devices for class B fires: carbon dioxide (CO₂), foam, sand, earth, dry chemical powder, and water spray, unless otherwise stated.
- Unsuitable extinguishing media:**Avoid using water jets. Only use water jets to cool surfaces of containers exposed to fire.
- NOTE:**
- Cool with water the containers not involved in the fire but exposed to heat, to avoid explosions and the propagation of the fire.*
- 5.2 Special hazards arising from the substance or mixture** The use in pressurized equipment can lead to the formation of aerosols that may catch fire, under suitable conditions of initiation.
- Avoid breathing combustion fumes because a fire produces hazardous combustion products such as metal oxides, hydrogen sulfide (H₂S), sulfur oxides (SO_x), phosphorus oxides and other derivatives potentially dangerous, such as carbon oxides (CO_x), unburned hydrocarbons and chlorinated compounds.
- 5.3 Advice for fire-fighters** **Protective Equipment:** Wear full fire resistant self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. The equipment must comply to the standard EN and used in conditions of maximum protection on the basis of the information given in the previous sub-sections.

6 - ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**
- Keep non-involved personnel away from the area of spillage.
 - Ventilate area.
 - Prevent formation of aerosols and vapors from pressurized equipment.
 - Eliminate sources of ignition.
 - Avoid contact with skin, eyes by wearing appropriate protective clothing.
 - Make sure that equipment is available for cooling the vessels, to prevent the danger of overpressure and overheating in the event of fire in the vicinity.
 - Leaks of the substance on the floor may cause risk of slipping.
- Respiratory protection:**in the event of exposure to oil mists in relatively high concentration, use masks with specific filter for organic vapors and aerosols (UNI EN 140 and 141).
- Eye protection:**Wear safety goggles (UNI EN 166).
- Skin protection:**Use rubber gloves or PVC (UNI EN 374). Wear suitable protective clothing (UNI EN 465, 466, and 467). Use barrier creams if protective gloves are not appropriate.



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6.2 Environmental precautions

Avoid the product being dispersed or flowing into the ground, the sewers and surface waters. If necessary inform competent local authorities.

6.3 Methods and material for containment and cleaning up

Contain the spreading of small product quantities with earth, sand or other inert absorbent material. Dyke great leakages of product. Collect with liquid-absorbent materials or suction means. Transfer the waste into suitable impermeable containers, able to store and transport the material collected. Dispose of it according to the legislation in force.

6.4 Reference to other sections

See also sections 8 (personal protective equipment), 12 (ecology) and 13 (disposal).

7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

Use of personal protective equipment must be consistent with good occupational hygiene practices.

Avoid direct contact with skin, eyes and clothing.

Avoid breathing aerosols or vapours of product.

Assuring a correct ventilation of the working place, especially if this latter is restricted.

Do not reuse contaminated clothing.

Do not eat, drink or smoke while handling.

Do not smoke or use flames; avoid contact with sparks or possible sources of ignition.

Wash hands thoroughly with soap and water before meals and after work shift.

7.2 Conditions for safe storage including any incompatibilities

The product is stable under normal conditions of use and storage.

Keep the product in its original containers, stored in an environment and under conditions that assure control and containment of leakage.

Keep containers tightly closed.

Store in a cool place, far from heat sources or of possible ignition source and from direct exposure to sunrays.

Assure adequate ventilation of premises.


Avoid accumulating electrostatic charges.

7.3 Specific end use(s)

For recommendations on the end uses listed, no additional information is needed.

Specific use: Before using the product for uses other than those specified, refer to the laws and technical considerations, and take the appropriate measures of good operational practice.



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8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameter

Control parameter

Exposure limit values (mixture components - ACGIH 2014):

- TLV TWA: 5 mg/m³ (Mineral oil, pure, highly and severely refined)
- TLV STEL: not available

Monitoring procedures:

Refer to Directive 96/82/EC.

8.2 Exposure Controls

8.2.1 Appropriate engineering controls

No special requirements under normal conditions of use. Refer to the good operational, environmental, health and safety standards.

Avoid mist and aerosol production and their diffusion through shielding (if appropriate) of the machines, and through the use of localized ventilation/aspiration.

Organize the activities with equipment suitable for the purpose. Employ personnel trained and informed about the operational procedures.

8.2.2 Personal protection measures, such as personal protective equipment

a) Eye / Face Protection

Wear safety goggles when contact with the product is possible (UNI EN 166).

b) Skin Protection

Wear rubber or synthetic gloves, resistant to mineral oils or solvents (UNI EN 374).

The choice of protective gloves also depends on use conditions and must follow manufacturer indications.

Gloves must be replaced at first signs of wear. Put on gloves after washing hands carefully.

The use of barrier creams can be a useful protection instrument.

Wear overalls or aprons made of a suitable material; change immediately contaminated clothing and wash it carefully before using it again (UNI EN 465, 466, and 467).

c) Respiratory Protection

None required under normal conditions of use.

Avoid inhalation of vapors and aerosols; respiratory protection: In the event of exposure to oil mists at relatively high concentration, use masks with specific filter for organic vapor and dust/mist (UNI EN 140 and 141).



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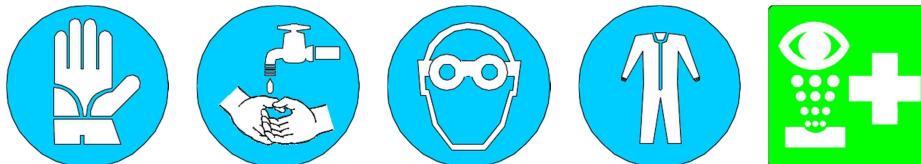
d) Heat Dangers

May cause burns when in contact with the product at high temperature.

8.2.3 Environmental Exposure Controls

Take all the technical precautions necessary to prevent the spread of the product into the surrounding. Operate only in an appropriate area, provided with containment systems and means for the emergency intervention (see point 6). Refer to local regulations for pollution of air, soil and water.

Pictogram: DPI



9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	<i>Physical state at 20°C:</i> Liquid		
b) Odour	<i>Color ASTM D 1500:</i> 2 Typical		
c) Olfactory threshold	not available		
d) pH	not applicable		
e) Melting / Freezing Point °C	-36	Note	ASTM D 97
f) Initial boiling point and boiling range °C	-	Note	350 - 620°C (main component)
g) Flash point °C	232	Note	ASTM D 92
h) Evaporation rate	not applicable		
i) Flammability solid / gas °C	-	Note	not applicable
j) Upper / Lower Flammable or Explosive	not available		
k) Vapour pressure	not applicable		
l) Vapor density	not applicable		
m) Relative density	0.849 kg/l @ 20°C (ASTM D 4052)		
n) The Solubility / solubility of the	Insoluble in water.		
o) Partition Coefficient n-octanol/water	not available		
p) Auto-ignition temperature °C	not available		
q) Decomposition temperature °C	not available		



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r) Viscosity 84.05 cS @ 40°C and 13.79 cS @ 100°C (ASTM D 445)
CCS 5020 cP @ -30°C (ASTM D 2602)

s) Explosive properties not available

t) Oxidising properties not available

9.2 Other information

Conductivity not available

Gas Group not applicable

Other information Pour point ASTM D 97: -36°C

Viscosity index: 169

10 - STABILITY AND REACTIVITY

10.1 Reactivity The substance does not present additional dangers of reactivity than those reported in the next subtitles.

10.2 Chemical Stability The product is stable under normal conditions of use and storage. View the data sheet.

10.3 Possibility of hazardous reactions None.

10.4 Conditions to avoid Use in extreme temperatures.

10.5 Incompatible materials Avoid contact with acids and strong bases and oxidizing agents.

10.6 Hazardous Decomposition Products On thermal decomposition vapors and fumes, flammable, acres and dangerous to health may be released. See also section 5.

11 - TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Symptomatology There are no experimental studies of the mixture itself. Therefore, we examined the concentration of each component to assess toxicological effects resulting from exposure to the product.


The health risks shown are derived from the current knowledge on the toxicity of the base oils and additives used in relation to the concentration in the finished product that results in the classification.

Studies on the separate components showed no consistent evidence of toxicity at concentrations used in the mixture, thus any classification in accordance with the regulations on hazardous substances has not been assigned.

General warning

High pressure injection of product into the skin may lead to local necrosis if the product is not surgically removed.



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Class of relevant risk for the substance:

a) Acute toxicity: Specific Data not available

Other toxicity values

Acute toxicity data listed in the registration dossier of the main component of the mixture (Lubricating oils (petroleum), C₂₀₋₅₀, hydrotreated neutral oil-based):

Species	Exposure routes	Dose	Reference
rat <i>Sprague-Dawley</i>	oral	DL ₅₀ >5000 mg/kg bw	Test OECD 401/420 Registration dossier
rat <i>Sprague-Dawley</i>	inhalation	CL ₅₀ >5.53 mg/L air	Test OECD 403 Registration dossier
rabbit <i>New Zeland White</i>	dermal	DL ₅₀ >5000 mg/kg bw	Test OECD 402 Registration dossier

b) Skin corrosion / irritation

Irritation data listed in the registration dossier of the main component of the mixture (Lubricating oils (petroleum), C₂₀₋₅₀, hydrotreated neutral oil-based):

Species	Exposure routes	Effect	Reference
rabbit <i>New Zeland White</i>	dermal	Not irritating	Registration dossier

- Frequent and prolonged contacts may degrease and irritate the skin, also causing dermatitis by removal of the hydrolipidic layer and produce skin dryness.


c) Serious eye damage / serious eye irritation

Irritation data listed in the registration dossier of the main component of the mixture (Lubricating oils (petroleum), C₂₀₋₅₀, hydrotreated neutral oil-based):

Species	Exposure routes	Effect	Reference
rabbit <i>New Zeland White</i>	ocular	Not irritating	Test OECD 405 Registration dossier

Direct contact may cause slight irritation.



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d) Respiratory / skin sensitization

Sensitisation data listed in the registration dossier of the main component of the mixture (Lubricating oils (petroleum), C₂₀₋₅₀, hydrotreated neutral oil-based):

Species	Exposure routes	Effect	Reference
guinea pig <i>Hartley</i>	maximisation test/ intradermal and epicutaneous	Non sensitizing	Test OECD 406 Registration dossier

So far, there are no reports of skin sensitization resulting from use of the product.

e) Germ cell mutagenicity

Mutagenicity data listed in the registration dossier of the main component of the mixture (Lubricating oils (petroleum), C₂₀₋₅₀, hydrotreated neutral oil-based):

Species	Effect	Reference
Chinese hamster Ovary cells	Not mutagenic	Test OECD 473 Registration dossier
S. typhimurium TA 98	Not mutagenic	Test OECD 471 Registration dossier

No significant mutagenicity data are available for this product's components.


f) Carcinogenicity

Carcinogenicity data listed in the registration dossier of the main component of the mixture (Lubricating oils (petroleum), C₂₀₋₅₀, hydrotreated neutral oil-based):

Species	Effect	Reference
mouse (female) CF1	Not carcinogenic	Test OECD 451 Registration dossier

No significant carcinogenicity data are available for this product's components.



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g) Reproductive toxicity

Reproductive toxicity data listed in the registration dossier of the main component of the mixture (Lubricating oils (petroleum), C₂₀₋₅₀, hydrotreated neutral oil-based):

Species	Effect	Reference
rat CD BR Sprague-Dawley	No effects on reproduction and development	Test OECD 421 Registration dossier
rat Sprague-Dawley	No effects on reproduction and development	Test OECD 414 Registration dossier

No significant reproductive toxicity data are available for this product's components.

h) Specific target organ toxicity (STOT)-Single exposure-

- Prolonged exposure to vapours or mists of product may cause irritation of the breathing apparatus.
- In case of product nebulization, irritation of the respiratory tract may occur. In case of overexposure to fumes and mists of the product headache, nausea, irritation of the eyes and respiratory tract, may occur.
- If swallowed, the product may irritate the digestive apparatus causing vomit, nausea and diarrhoea. If vomiting occurs, the product may enter into the respiratory tract and can cause serious damage to the respiratory system; therefore, if swallowed, do not induce vomiting but seek immediate emergency.

i) Specific target organ toxicity (STOT)-Repeated exposure-

Repeated toxicity data listed in the registration dossier of the main component of the mixture (Lubricating oils (petroleum), C₂₀₋₅₀, hydrotreated neutral oil-based):

Species	Exposure routes	NOEL	Reference
rabbit New Zeland White	dermal	1000 mg/kg bw/day (male) 1000 mg/kg bw/day (female)	Test OECD 410 Registration dossier
rat Sprague-Dawley	dermal	≥ 2000 mg/kg bw/day	Test OECD 411 Registration dossier
mouse (male) C3H/HeNCrIBR	dermal	≥150 mg/kg/day	Test OECD 453 Registration dossier
rat Sprague-Dawley	inhalation	220 mg/m ³ on alveolar macrophages >980 mg/m ³ systemic	Registration dossier

No significant repeated toxicity data are available for this product's components.



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j) Aspiration hazard

No data available

Toxicokinetics, metabolism and distribution effects

No data available

Other information

No data available

12 - ECOLOGICAL INFORMATION

Ecological Information

Studies on the separate components showed no consistent evidence of eco-toxicity at concentrations used in the mixture, thus any classification in accordance with the regulations on hazardous substances has not been assigned.

Use this product according to good working practices. Avoid littering.

Notify the competent authorities if product has entered water course or sewers or contaminate soil or vegetation.

The product can also cause significant adverse impact on activated sludge of Sewage Treatment Plant.

12.1 Toxicity

Toxicity data listed in the registration dossier of the main component of the mixture (Lubricating oils (petroleum), C₂₀₋₅₀, hydrotreated neutral oil-based):

PNEC oral 9.33 mg/kg on food

Endpoint	Result	Reference
Toxicity to fish <i>Pimephales promelas</i>	LL ₅₀ ≥100 mg/L WAF 96 h	Test OECD 203 Registration dossier
Toxicity to invertebrates <i>Daphnia magna</i>	EL ₅₀ >10000 mg/L WAF 48 h	Test OECD 202 Registration dossier
Toxicity to algae and cyanobacteria	EL ₅₀ ≥100 mg/L WAF 72 h	Test OECD 201 Registration dossier
Toxicity to microorganisms	NOEL >1.93 mg/L	Registration dossier

12.2 Persistence and degradability

Data listed in the registration dossier of the main component of the mixture (Lubricating oils (petroleum), C₂₀₋₅₀, hydrotreated neutral oil-based):

Endpoint	Result	Reference
Ready biodegradability in water	Inherently biodegradable	Test OECD 301 F Registration dossier

The final product is considered to be poorly biodegradable, particularly in soil.



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12.3 Bioaccumulative potential

Bioaccumulation may occurs in aquatic sediments and sludge of Sewage Treatment Plant.

12.4 Mobility in soil

- Product floats on water.
- Product is absorbed from the soil surface.
- Product is conveyed from the water surface, while it is absorbed and retained by the soil.

12.5 Results of PBT assessment

This mixture does not meet the criteria for classification as PBT or vPvB according to Annex XIII of Regulation (EC) n. 1907/2006.

Ecological Information

No data available

13 - DISPOSAL CONSIDERATIONS

13.1 Methods of waste treatment

Do not discharge in sewers, underground passages or waterways. Respect the laws in force.

Dispose of exhausted products (and emulsions) and containers according to local or national legislations through an authorized waste disposal contractor.

14 - TRANSPORT INFORMATION

The substance itself is not considered dangerous within the meaning of the regulations governing the transport of dangerous goods by road (ADR), rail (RID), sea (IMDG Code) and by air (IATA)

15 - REGULATORY INFORMATION

15.1 Standards and legislation on health, safety and environmental specifications for the substance or mixture

Restrictions on the use under Title VII of the REACH Regulation (EC Regulation 1907/2006 and s.a. mixture not subjected

Authorization under REACH (Regulation EC 1907/2006 and subsequent amendments): mixture not subjected

Other EU directives


Seveso Directive (Dir 96/82/EC and Dir 105/2003/CE): mixture not subjected

Chemical Agents Directive (Dir.98/24/CE): non-hazardous chemical

Carcinogens Directive and / or mutagens (Dir 97/42/EC and 99/38/EC): not carcinogenic/mutagenic mixture

Note: No data available



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15.2 Chemical Safety Assessment

Chemical Safety Assessments

A Chemical Safety Assessment has not been carried out for this mixture: Information for safe handling of the product, arising from Exposure Scenarios for the hazardous substances contained, have been integrated in the into the core Sections 1-16 of this Safety Data Sheet.

16 - OTHER INFORMATION

List of relevant phrases

List of relevant R-phrases, Risk phrases, reported:

- R 38: Irritating to skin
- R 41: Risk of serious damage to eyes
- R 43: May cause sensitisation by skin contact
- R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- R 53: May cause long-term adverse effects in the aquatic environment

List of relevant H-phrases, hazard statements, reported:

- H315: Causes skin irritation
- H317: May cause an allergic skin reaction
- H318: Causes serious eye damage
- H411: Toxic to aquatic life with long lasting effects
- H413: May cause long lasting harmful effects to aquatic life

Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 "Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method", Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

Guidelines for the formation

Adequately train workers that will potentially be exposed to these substances, based on the contents of this safety data sheet.

More information

Do not use the product for uses that are not indicated. In this case, the user could be subject to unforeseen risks.

Refer to product technical details. Technical contact center: Tel : +39 049 744 99 70 (Lubricants sector).

Bibliography

EINECS

Additional Bibliography


Internal cards. Safety Data Sheets of supplied raw materials.

The information has been drafted to the best of our knowledge. It is for information purposes and is not a guarantee. The product is used under User control and it is their responsibility to adapt to the correct usage conditions indicated on the SDS and to adapt to suitable industrial hygiene practice. This document does not replace the chemical risk analysis which is the employer's complete responsibility.

Update Reason

This card was drawn up following the guidelines for drawing up SDS for lubricants drafted by the Group of Lubrication Industry Companies (Gail) – Website: <http://aispec.federchimica.it>
Update of the safety data sheet in accordance with Annex II of Regulation EC No. 1907/2006 (REACH) and subsequent amendments and supplements.



<p align="center">MSDS</p> <p align="center">according to EC Regulation 1907/2006 and seq. amendments (Regulation n.453/2010)</p>	<p align="center">Update N. 02 of 07/02/2017 Sheet created on:18/11/2014</p>	
<p align="center">OP EXTRA SINT FULLY SYNTHETIC SAE 5W-40</p>		

MsdS Code SDS0540.EN
Created on 18/11/2014
Update 07/02/2017
Update Num. 02

**** n.a. = Not Applicable n.c. = Not Communicated**

The various signs (such as *, **) indicate the sections shown notes on specific classification information or differences from the conversion from the DIR reg CLP (see Part I of the All.VI Reg 1272/2008).

This sheet replaces those issued in the previous date. The information has been drafted to the best of our knowledge in the field of health, safety and environment, and is intended to enable users of the product - under whose control it takes the use - identify the protective and preventive behaviors useful for a safe operation. The user of the product, prior to uses other than those provided, must see if are needed more information, always considering compliance with the applicable provisions of law and good operational practice. This document does not replace the chemical risk analysis which is the employer's complete responsibility. Are not assumed responsibility in respect of any improper use of the product. The characteristics mentioned should not be considered as a guarantee of specific properties of the product.