



MSDS

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

Update N. 03 of 07/06/2017
Sheet created on:27/01/2015



OP EXTRA SINT FULLY SYNTHETIC EVOLUTION SAE 5W-30

1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY

1.1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE

Substance / Mixture	OP EVOLUTION EXTRA SINT FULLY SYNTHETIC SAE 5W-30
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 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)

Aquatic Chronic 3; H412

- Prolonged contact may cause irritation to the eyes and skin.

2.2 Label elements

Pictogram

Signal word

HAZARDS IDENTIFICATION

H412 Harmful to aquatic life with long lasting effects

SAFETY ADVICE

General

Prevention

P273 Avoid release to the environment

Reaction

Storage

Disposal

P501 Dispose of contents/container to hazardous waste in accordance with local, state or national legislation

NOTE

OTHER INFORMATIONS 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 non-carcinogenic according to Note L (Directive 94/69 / CE - Regulation (CE) No 1272/2008).

Main components:

Name	Quantities %	CAS	EC	REACH Registration number	Index	Classification
Distillates (petroleum), hydrotreated heavy paraffinic	42.5 - minore di 55	64742-54-7	265-157-1	01-2119484627-25	649-467-00-8	Note L

A quota of Distillates (petroleum), hydrotreated heavy paraffinic 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 O,O,O',O'-tetrakis(1,3-dimethylbutyl)bis(phosphorodithioate)	0,5 - minore di 1	2215-35-2	218-679-9	01-2119953275-34	n.d.	Xi; R38; R41 N; R51/53 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 2; H411
2,6-di-tert-butylphenol	0,25 - minore di 0,5	128-39-2	204-884-0	n.d.	n.d.	Xi; R38 N; R50/53 Skin Irrit. 2; H315 Aquatic Acute 1; H400 Aquatic Chronic 1; H410*
Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts	0,1 - minore di 0,25	68457-79-4	283-392-8	01-2119493626-26	n.d.	Xi; R38; R41 N; R51/53 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 2; H411



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Phenol, branched	dodecyl-,	0,1 - minore di 0,25	121158-58-5	310-154-3	01-2119513207-49-0002	n.d.	Xi; R36/38 Repr. Cat. 3; R62 N; R50/53 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Repr. 2; H361f Aquatic Acute 1; H400 Aquatic Chronic 1; H410**
Diphenylamine		0,1 - minore di 0,25	122-39-4	204-539-4	n.d.	612-026-00-5	T; R23/24/25 R33 N; R50/53 Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410*

* M Factor =1

** M Factor =10

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.

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. Get medical attention in case of persistent pain or redness.

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.

High pressure injection injuries require prompt surgical intervention and possibly steroid therapy to minimize tissue damage and loss of function.



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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 vomit in order to avoid aspiration of the substance through the respiratory tract. Immediately transfer the casualty to the emergency department.

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.

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

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

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 compounds of chlorine, sulphur, nitrogen and other potentially dangerous derivatives, like carbon monoxide and unburned hydrocarbons.

Burning produces heavy smoke.



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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.

Collect separately contaminated water used to extinguish the fire. Do not discharge into the sewage system.

If feasible in terms of safety, move undamaged containers from the danger area.

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.

In case of spillage of significant quantities, particularly in confined spaces, avoid breathing vapors aerating the room or wear respiratory protective equipment.

Avoid contact with skin, eyes by wearing appropriate protective clothing.

Wear personal protective equipment.

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.

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.

Prevent spillage into soil/subsoil. Prevent the outflow into surface water or sanitary sewer system.

Retain and dispose of contaminated wash water.

In case of gas leakage or spillage into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic material, sand.



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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 7 (manipulation), 8 (personal protective equipment), and 13 (disposal).

7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid direct contact with the product.

Avoid breathing spray mist or vapors of the product, ensuring adequate ventilation of the workplace, particularly if confined space.

Avoid contact with skin and eyes, inhalation of vapors and mists.

Do not use empty container before they have been cleaned.

Before the transfer operations, assure that there are no incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat, drink or smoke while handling.

7.2 Conditions for safe storage including any incompatibilities

Keep containers tightly closed and properly labeled.

Storage facilities have to be equipped with special systems to prevent contamination of soil and water in case of leaks or spills.

The structure of the storage area, the characteristics of tanks, equipment, and operating procedures must comply with the relevant European, national or local legislation.

If the product is supplied in containers, store only in the original container or in a container suitable for the type of product.

Keep the product in original containers stored in areas and conditions which will ensure the control and containment of losses. Store in a cool place, away from any source of heat or ignition, and from direct sunlight. Avoid the accumulation of electrostatic charges. Keep containers tightly closed. Ensure adequate ventilation of the premises.

Keep away from food, drink and animal feed.

Incompatible materials:

None in particular. See also the following Section 10.

Recommendations for the areas:

Adequately ventilated premises.

7.3 Specific end use(s)

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



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8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameter

Control parameter

Exposure limit values (mixture components - ACGIH 2014):

Component	TLV TWA	TLV STEL	Note
Mineral oil, pure, highly and severely refined	5 mg/m ³	-	mineral oil mist
Diphenylamine	10 mg/m ³	-	-

Exposure limit values DNEL:

Distillates (petroleum), hydrotreated heavy paraffinic - CAS: 64742-54-7:

Professional worker: 5.4 mg/m³ - Consumer: 1.2 mg/m³

Exposure: Inhalation Human - Frequency: Long-term, local effects - Notes: mist/spray of mineral oil

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 with side shields when contact with the product is possible (UNI EN 166).

b) Skin Protection

Use gloves (for example neoprene, nitrile or PVC, of work, preferably flocklined) resistant to mineral oils or solvents (UNI EN 374).

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



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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.

If the working practices and other means to limit exposure of workers are not appropriate - in order to comply with the exposure limits set out in Section 8 - other means of respiratory protection are needed: masks with filters for organic vapor and dust/mists (e.g. mask activated carbon) (UNI EN 140 and 143).

d) Heat Dangers

Wear protective equipment during operations involving hot material: heat resistant clothing (pants over boots and sleeves over cuffs of gloves), heat resistant and non-slip heavy boots (e.g. leather).

8.2.3 Environmental Exposure Controls

Storage facilities have to be equipped with special systems to prevent contamination of soil and water in case of leaks or spills.

In the case of discharge to a urban waste water treatment plant, no need for any treatment.

Do not release into the environment.

Prevent the release of undissolved substances or recover them from the waste water.

Refer to local regulations for pollution of air, soil and water.

Pictogram: DPI





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9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	<i>Physical state at 20°C:</i> Clear liquid		
b) Odour	<i>Color ASTM D 1500:</i> 3,0 Mineral oil, typical		
c) Olfactory threshold	not applicable		
d) pH	not available		
e) Melting / Freezing Point °C	-39	Note	ASTM D 5950
f) Initial boiling point and boiling range °C	-	Note	not applicable
g) Flash point °C	230	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	0.850 g/cm ³ @ 15°C (ASTM D 1298)		
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		
r) Viscosity	70 cSt @ 40°C (ASTM D 7279)		
s) Explosive properties	not available		
t) Oxidising properties	not available		

9.2 Other information

Conductivity	not available
Gas Group	not applicable
Other information	<i>Pour point ASTM D 5950:</i> -39°C



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10 - STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical Stability	Stable product at room temperature.
10.3 Possibility of hazardous reactions	None.
10.4 Conditions to avoid	Stable under normal conditions.
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.

Toxicological information on the mixture:

May cause mild irritation.
General warning: the high-pressure injection of product into the skin may lead to local necrosis if the product is not surgically removed.
Frequent and prolonged contact may degrease and irritate the skin, sometimes causing dermatitis.
Prolonged exposure to the product may cause drowsiness and dizziness.
Prolonged exposure to vapors or mists of product may cause respiratory irritation.

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 (Distillates (petroleum), hydrotreated heavy paraffinic):

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



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Data for acute toxicity to the component: phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr) esters zinc salts:

Species	Exposure routes	Dose	Reference
rat	oral	DL ₅₀ >10000 mg/kg bw	SDS supplier
rabbit	dermal	DL ₅₀ >2000 mg/kg	SDS supplier

General warning

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

b) Skin corrosion / irritation

Irritation data listed in the registration dossier of the main component of the mixture (Distillates (petroleum), hydrotreated heavy paraffinic):

Species	Exposure routes	Effect	Reference
rabbit New Zeland White	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 (Distillates (petroleum), hydrotreated heavy paraffinic):

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

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



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d) Respiratory / skin sensitization

Sensitisation data listed in the registration dossier of the main component of the mixture (Distillates (petroleum), hydrotreated heavy paraffinic):

Species	Exposure routes	Effect	Reference
guinea pig <i>Hartley</i>	maximisation test/ intra dermal 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 (Distillates (petroleum), hydrotreated heavy paraffinic):

Species	Effect	Reference
Chinese hamster Ovary cells	Not mutagenic	Test OECD 473 Registration dossier
mouse lymphoma L5178Y cells	Not mutagenic	Test OECD 476 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 (Distillates (petroleum), hydrotreated heavy paraffinic):

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 (Distillates (petroleum), hydrotreated heavy paraffinic):

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

Phenol, dodecyl-, branched - CAS: 121158-58-5:

Test: Reproductive toxicity - - Note: Suspected of damaging fertility or the unborn child.

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 (Distillates (petroleum), hydrotreated heavy paraffinic):

Species	Exposure routes	NOEL	Reference
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 information is available

Toxicokinetics, metabolism and distribution effects

No information is available

Other information

No data available

12 - ECOLOGICAL INFORMATION

Ecological Information

The product is classified as dangerous for the environment as Aquatic Chronic 3; H412.

Avoid release of product in the environment.

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 (Distillates (petroleum), hydrotreated heavy paraffinic):

Endpoint	Result	Reference
Acute toxicity to fish	LL ₅₀ ≥100 mg/L WAF 96 h	SDS supplier
Acute toxicity to algae	NOELR >100 mg/L	SDS supplier
Chronic toxicity to fish	NOELR 10 mg/L	SDS supplier

Acute toxicity data of the component: phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr) esters zinc salts:

Endpoint	Result	Reference
Acute toxicity to freshwater fish	LC ₅₀ 10 - 100 mg/L	SDS supplier
Acute toxicity to bacteria	EC ₅₀ 100 - 1000 mg/L	SDS supplier

12.2 Persistence and degradability

Data listed in the registration dossier of the main component of the mixture (Distillates (petroleum), hydrotreated heavy paraffinic):

Endpoint	Result	Reference
Ready biodegradability in water	Inherently biodegradable but not readily 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.
- Recover if possible. Operate according local and national regulations.
- Where applicable, refer to the following regulatory provisions: 91/156/ EEC, 91/689/EEC, 94/62/EC and its amendments.

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



<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. 03 of 07/06/2017</p> <p align="center">Sheet created on:27/01/2015</p>	
<p align="center">OP EXTRA SINT FULLY SYNTHETIC EVOLUTION SAE 5W-30</p>		

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 H-phrases, hazard statements, reported:

H301: Toxic if swallowed
H304: May be fatal if swallowed and enters airways
H311: Toxic in contact with skin
H315: Causes skin irritation
H318: Causes serious eye damage
H319: Causes serious eye irritation
H331: Toxic if inhaled
H361f: Suspected of damaging fertility
H373: May cause damage to organs through prolonged or repeated exposure
H400: Very toxic to aquatic life
H410: Very toxic to aquatic life with long lasting effects
H411: Toxic to aquatic life with long lasting effects

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

SAX: Dangerous properties of industrial Materials IX Ed.
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.

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>



MSDS

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

Update N. 03 of 07/06/2017
Sheet created on:27/01/2015



OP EXTRA SINT FULLY SYNTHETIC EVOLUTION SAE 5W-30

Update Reason	Emission of SDS according to Annex II of Regulation (EC) N. 1907/2006 (REACH) and f.a.
MsdS Code	SDS0531.EN
Created on	27/01/2015
Update	07/06/2017
Update Num.	03

**** 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.