

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 18.06.2009

Version 1

Revision: 18.06.2009

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name: SYNTO 100**
- **Application of the substance / the preparation** Compressor lubricant
- **Manufacturer/Supplier:**
FUCHS LUBRIFIANT FRANCE (S. A.)
1, rue Lavoisier
92000 Nanterre
FRANCE
Tel : +33 1 41 37 42 00
Fax : +33 1 41 37 42 99
- **Further information obtainable from:** Safety Product Department
- **Information in case of emergency:**
N° APPEL D'URGENCE ORFILA : 01 45 42 59 59
<http://www.centres-antipoison.net>

2 Hazards identification

- **Hazard description:**
By handling of mineral oil products and chemicals product no particular hazard is known when normal precautions (chap 7) and personal protective equipment (chap 8) are kept.
- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by literature data and by information furnished by supplier companies.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:**
Mixture containing
Synthetic base oil,
esters,
additives,

- **Dangerous components:**

CAS: 115-86-6	triphenyl phosphate	N; R 50/53	0.1-1%
EINECS: 204-112-2			

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information:** In case of doubt, or if the symptoms persist, always call a doctor.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Change clothes and shoes contaminated or soaked by the product.
Wash with plenty of water and soap.
Generally the product does not irritate the skin.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
In the event of accidental ingestion: Rinse out mouth with water.
Keep at rest - DO NOT VOMIT.
Do not give anything to drink to an unconscious person.

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In case of persistent symptoms, consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
In case of fire, the following can be released:
A complex mixture of gases including carbon monoxide, carbon dioxide, unidentified organic compounds...
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray jet.

6 Accidental release measures

- **Person-related safety precautions:**
For more information, see section 8.
Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
Prevent from spreading (e.g. by damming-in or oil barriers).
Inform respective authorities in case of seepage into water course or sewage system.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** Do not heat up to temperatures close to the flash point.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Preferably store in the original packaging, if not, report all the EEC labelling informations on the new packaging.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **Recommended storage temperature:** Ambient

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

115-86-6 triphenyl phosphate

WEL	Short-term value: 6 mg/m ³ Long-term value: 3 mg/m ³
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- **Additional information:** The lists valid during the making were used as basis.

- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.

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Keep away from foodstuffs, beverages and feed.

Do not eat or drink while working.

Do not carry product impregnated cleaning cloths in trouser pockets.

Wash hands before breaks and at the end of work.

The choice and the use of the personal protection equipments (PPE) depend on the danger of the product, the work premises and the conditions of use.

· **Respiratory protection:** Not necessary if room is well-ventilated.

· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Goggles recommended during refilling

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· General Information

Form:	Fluid
Colour:	Yellow
Odour:	Characteristic

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

· **Flash point:** > 235°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density at 20°C:** 0.880 g/cm³

· Solubility in / Miscibility with

water: Not miscible or difficult to mix.

· Viscosity:

· Kinematic:

at 40 °C : 100 mm²/s

· Additional information:

Characteristics are given for information. For more details, see the technical data sheet.

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

· **Dangerous reactions** No dangerous reactions known.

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· **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

115-86-6 triphenyl phosphate

Oral	LD50	3500 mg/kg (rat)
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· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

12 Ecological information

· **Behaviour in environmental systems:**

· **Mobility and bioaccumulation potential:** no data available

· **Ecotoxicological effects:**

· **Remark:** Harmful to fish

· **Behaviour in sewage processing plants:** The product swims on the surface water.

· **General notes:**

Harmful to aquatic organisms

Avoid transfer into the environment.

13 Disposal considerations

· **Product:**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Delivery of waste product to officially authorized collectors only.

· **European waste catalogue**

The definitive assignment of this material to the appropriate EWC group and thus its proper EWC code will depend on the use that is made of this material.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** -
Not regulated by ADR.

· **Maritime transport IMDG:**

· **IMDG Class:** -
Not regulated.

· **Marine pollutant:** No

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** -
Not regulated.

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15 Regulatory information

· Labelling according to EU guidelines:

The product has been classified and labelled in accordance with EC Directives until 2004/73/EC (30. ATP).
The usual precautionary measures are to be adhered to when handling mineral oil products or chemicals.

· Risk phrases:

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· National regulations:

· Other regulations, limitations and prohibitive regulations Use for intended purposes only.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant R-phrases

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· Department issuing MSDS: Safety Product Department

· * Data compared to the previous version altered.

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