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SAFETY DATA SHEET LUBRICANT OIL PACK

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

1.1. Product identifier

Trade name: Lubricant OIL PACK

Product code: 30090098

1.2. Details of the supplier of the safety data sheet

Company identification

: SAGOLA S.A.
Urartea 6
VITORIA - GASTEIZ (ÁLAVA)
01010 SPAIN
Tel. +34 945 214 150 - Fax. +34 945 214 149
sagola@sagola.com

2. Description

Sagola Oil Pack are fully synthetic compressor oils on a diester basis. They excel due to their high oxidation and thermal stability.

Their high polarity ensures perfect adhesion on metal surfaces and, together with the selected additive package, improves wear protection.

Sagola Oil Pack reduce sludge formation and considerably improve operational safety due to their high flash and self-ignition points.

Thus, maintenance is reduced to a minimum and oil change intervals of up to 8 000 service hours can be achieved.

3. Application

Sagola Oil Pack have been designed for use in rotary screw compressors and certain vane compressor types.

4. Application notes

The previously used compressor oil should be drained while still warm. Please make sure that the system is disconnected from the main power supply and is pressure-free. Clean or change the filters after the flushing process and recharge with the operational lubricant.

We recommend attaching a label indicating the type of lubricant used and the filling date to the filter or the cover.

5. Minimum shelf life

The minimum shelf life is approx. 60 months if the product is stored in the original closed container in a dry place.

6. Materials compatibility

Sagola Oil Pack have been designed to be compatible with epoxy resin based paints, oilresistant alkyde resins, synthetic materials, such as nylon (polyamide), Celcon (polyacetal), PTFE and elastomers, such as NBR (acrylonitrile content > 30%) and FPM (Viton).

Sagola Oil Pack should not be used with elastomers, such as neoprene, NBR (acrylonitrile content < 30%) and SBR, or synthetic materials, such as PVC and ABS, as well as paints on an acrylic resin base.



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7. Characteristic data

Colour / appearance	Colourless to light yellow / transparent
ISO VG DIN 51 519	32
Density, DIN 51 757, a 20°C, g/ml, approx.	0,92
Kinematic viscosity, DIN 51 562, at 40 °C, mm ² /s, approx. at 100 °C, mm ² /s, approx.	31 4,9
Flash point, DIN ISO 2592, °C	>220
Pour point, DIN ISO 3016, °C	≤ -40
Self-ignition temperature, DIN 51 794, °C	400
Copper corrosion, DIN EN ISO 2160 (24 h at 100 °C), corrosion rating	1 - 100
Foaming tendency, sequence I, II, III, ASTM-D 892, ml	0 / 0 / 0
Demulsifying properties DIN 51 599, ml	40 / 37 / 3
Carbon residue, DIN 51 551/01, % by weight	≤0,02

8. Safety data sheet

Product name	Lubricant Oil Pack
Code-No.	30090098
Supplier data	SAGOLA S.A., Urartea 6 - VITORIA-GASTEIZ - 01010 SPAIN Tel. +34 945 214 150 - Fax. +34 945 214 149
Composition / information on ingredients	Chemical characterization (preparation): Ester oil, synthetic hydrocarbon oil Additional information: No hazardous ingredients.



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Hazards identification	No particular hazards known.
First aid measures	<p>After inhalation: Not applicable. After contact with skin: Wash off with soap and plenty of water. After contact with eyes: Rinse with plenty of water. After ingestion: Do not induce vomiting. Obtain medical attention. Advice to doctor: Treat symptomatically. If swallowed or in the event of vomiting, risk of product entering the lungs.</p>
Fire-fighting measures	<p>Suitable extinguishing media: Water spray, foam, dry powder, carbon dioxide (CO₂). Unsuitable extinguishing media: High volume water jet. Special hazards: In case of fire the following can be released: Carbon monoxide, hydrocarbons. Special protective equipment for firefighters: Standard procedure for chemical fires. Additional information: Water mist may be used to cool closed containers. In the event of fire and/or explosion do not breathe fumes.</p>
Accidental release measures	<p>Personal precautions: Risk of slipping due to leakage/spillage of product. Environmental precautions: Do not flush into surface water or sanitary sewer system. Methods for cleaning up / taking up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Dispose of absorbed material in accordance with the regulations. Additional information: None.</p>
Handling and storage	<p>Advice on safe handling: Avoid formation of aerosol. Advice on protection against fire and explosion: No special precautions required. Requirements on storage rooms and vessels: No special storage conditions required. Incompatible materials: Incompatible with oxidising agents. Do not store together with food. Further information on storage conditions: Store at room temperature in the original container.</p>
Exposure controls / personal protection	<p>Additional advice on system design: Not applicable. Ingredients and specific control parameters: None. Respiratory protection: No special protective equipment required. Hand protection: No special protective equipment required. Eye protection: No special protective equipment required. Body protection: No special protective equipment required. Other protection measures: No special protective equipment required. General protection and hygiene measures: Avoid prolonged and/or repeated contact with skin. Clean skin thoroughly after work; apply skin cream. Remove soiled or soaked clothing immediately. Do not inhale aerosol.</p>



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Physical and chemical properties	<p>Form Colour Odour Pour point Flash point Flammability Ignition temperature Autoflammability Lower explosion limit Upper explosion limit Vapour pressure-first Density, approx. Water solubility pH value Kinematic viscosity, approx. Further information</p>	<p>liquid colourless – light yellow mild a) < - 40, b) <= - 35, c), d) <= - 30°C, DIN ISO 3016 a) > 220, b) > 240, c) > 250, d) > 260 °C, DIN ISO 2592 not applicable a), b) > 400, c), d) > 410 °C, DIN 51 794 not applicable not applicable not applicable not applicable a) 0.92, b), c), d) 0.97 g/cm3, 20 °C, DIN 51 757 insoluble not applicable a) 31, b) 64, c) 95, d) 125 mm2/s, 40 °C, DIN 51 562 none</p>
Stability and reactivity	<p>Conditions to avoid: Do not heat above flash point. Materials to avoid: Strong oxidizing agents. Hazardous decomposition products: None under normal use. Additional information: None.</p>	
Toxicological information	<p>The toxicological data has been taken from products of similar composition. Acute toxicity: LD50/oral/rat = > 2 g/kg (literature data) Chronic toxicity: None. Human experience: Prolonged skin contact may cause skin irritation and/or dermatitis.</p>	
Ecological information	<p>Information on elimination (persistence and degradability): Readily biodegradable (> 70%). Test method: CEC-L-33-A-94. Behaviour in environmental compartments: Ecological injuries are not known or expected under normal use. Ecotoxic effects: Aquatic toxicity is unlikely due to low solubility. Additional information: Do not discharge product unmonitored into the environment.</p>	
Advice on Disposal	<p>Code of waste: 120 110. Wastes from shaping and surface treatment of metals and plastics; wastes from shaping (including forging, welding, pressing, drawing, turning, cutting and filing); synthetic machining oils. Disposal: Dispose of in accordance with your local, state and federal regulations as used oil for incineration. Dispose of contaminated packaging and recommended cleaning: Offer rinsed packaging material to local recycling facilities.</p>	
Transport information	<p>GGVS / GGVE: not applicable ADN / ADNR: not applicable IMDG-Code: not applicable ICAO/IATA-DGR: not applicable Further information: Not classified as dangerous in the meaning of transport regulations.</p>	
Regulatory information	<p>Labelling according to EU-guidelines: The product does not require a hazard warning label in accordance with EC-directives/German regulations on dangerous substances.</p>	
Other information	<p>Ninguno(a)</p>	