



16.10.2013

Material Safety Data Sheet - according to directive 91/55/EWG

INTERNATIONAL STANDARD NORM ISO 11014-1

Trade name: OL 111		O-Ring lube „OL 111“			
1.) <u>MANUFACTURER</u> Address:		EDSYN GMBH EUROPA Finkenweg 2 Tel.: 09342 - 6413 D 97892 Kreuzwertheim Fax: 09342 - 6417			
2.) <u>COMPOSITION / SPECIFICATION OF CONSTITUENTS</u> 2.1) Chemical features: 2.2) Compounds:		Petroleum Grease			
Chemical name	CAS No.	EINECS No	Content (in %)	Symbols	R-sentences
Petroleum Naphthenic Oil	64742-52-5		70-75%		-
Barium Soap- insoluble	68201-19-4		25-30%		-
3.) <u>POTENTIAL HAZARDS</u>		No preparation in terms of the Toxic Chemicals Ordinance. Harmful to health by inhaling dusts and fumes or by swallowing.			
4.) <u>FIRST AID MEASURES</u> 4.1) Eyes: 4.2) Skin: 4.3) Ingestion: 4.4) Inhalation:		Flush with large amounts of water, lifting eye lids occasionally, seek medical attention. Wash exposed area with soap and water. Immediately drink 2 glasses of water, induce vomiting, medical attention. Not applicable			
5.) <u>FIRE-FIGHTING MEASURES</u> 5.1) Extinguishing media: 5.2) Special fire fighting procedures: 5.3) Unusual fire and explosion hazards:		Carbon dioxide, foam and dry chemical. Wear self-contained breathing apparatus. Water of foam may cause frothing which can be violent, especially if sprayed into containers of hot burning liquid. Never use welding or cutting torch on or near (even empty) container because product (even just residue) can ignite explosively.			



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<p>6.) <u>MEASURES IN CASE OF UNINTENTIONAL RELEASE</u></p> <p>6.1) General procedures:</p> <p>6.2) Steps to be taken in case material is released or spilled:</p> <p>6.3) Waste disposal method:</p>	<p>Scoop or sweep up material and place in disposal container.</p> <p>Persons not wearing protective equipment should be excluded from area of spill until cleanup has been completed. Shovel material into container. Remaining material should be taken up with absorbent material.</p> <p>Per local, state and federal regulations.</p>
<p>7.) <u>HANDLING AND STORAGE</u></p> <p>7.1) Handling and Storing:</p> <p>7.2) Other precautions:</p>	<p>Normal precautions – avoid fire hazards.</p> <p>None</p>
<p>8.) <u>LIMITATION OF EXPOSURE, PERSONAL PROTECTIVE OUTFIT AND ORGANIZATIONAL MEASURES</u></p> <p>8.1) Respiratory protection (specify type):</p> <p>8.2) Ventilation: Local exhaust: Special: Mechanical (general): Other: Protective gloves: Eye protection: Other protective gear:</p>	<p>Not required under normal use.</p> <p>N/A N/A Recommended N/A Oil resistant gloves such as Nitrile or Neoprene Rubber. Not required under normal use. N/A</p> <p>N/A = not applicable</p>
<p>9.) <u>PHYSICAL AND CHEMICAL FEATURES</u></p> <p>Color: Odor:</p> <p>Boiling point : Specific gravity (H₂O=1): Vapour pressure (mm Hg): Percent, volatile by Volume (%): Vapour density (AIR= 1): Evaporation weight: Solubility in water: Appearance: Flash point (Method used): Flammable Limits: LE: UE:</p>	<p>Amber No odor</p> <p>371 °C - 700 °F Less than 1.0 N/A N/A N/A Less than 1.0 Negligible Semi-solid 230 °C – 435 °F (Open Cup) N/A N/A N/A</p>
<p>10.) <u>STABILITY AND REACTIVITY</u></p>	



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10.1) Stability:	Stable
10.2) Conditions to avoid:	Temperatures over 316° C – 600° F
10.3) Incompatibility (materials to avoid):	Strong oxidizers
10.4) Hazardous decomposition product:	Carbon monoxide – Carbon dioxide and various hydrocarbons
10.5) Hazardous polymerization:	Will not occur
11.) <u>TOXICOLOGY</u>	
11.1) Threshold limit value:	5 mg/m ³
11.2) Permissible exposure level:	5 mg/m ³
11.3) <u>Effects on overexposure:</u> Eyes: Skin: Swallowing: Inhalation:	Moderate irritation, redness tearing Slight irritation Gastric intestinal irritation, nausea, vomiting & diarrhea None known
12.) <u>ECOLOGICAL INFORMATION</u>	
12.1) Environmental data:	Not available
12.2) Ecotoxicological information:	Not available
13.) <u>INFORMATION AS TO THE DISPOSAL</u>	
13.1) Disposal method:	Federal, state and local laws governing disposal of materials can differ. Ensure compliance with proper authorities before disposal.
13.2) General comments:	Dispose of in a manner consistent with federal, state and local regulations.
14.) <u>TRANSPORT REGULATIONS</u>	
14.1) Land transport ADR/RID and GGVS/GGVE (transnational/national) ADR/RID-GGVS/E-Class:	None
14.2) Sea vessel transport IMDG/GGV See IMDG/GGV See-Class:	None
14.3) Air transport ICAO-TI and IATA-DGR ICAO/IATA-Class:	None
14.4) Transport / further information:	No hazardous good according to the above regulations.
15.) <u>REGULATIONS</u>	



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15.1) Identification according to EC Directives:	This product is not subject to identification requirements according to the Directive 1999/45/EC Annex VII in connection with the Directive 67/548/EEC Annex VI Number 9.3.
15.2) NFPA (HMIS) Code: Health: Flammability: Reactivity:	1 0 0
15.3) Classification according to the Ordinance on Industrial Safety:	Not applicable
15.4) Classification according to the Ordinance on Combustible Fluids:	Not applicable
15.5) Water hazard class:	This product is not hazardous to water
16.) <u>FURTHER NOTES</u>	The information given in this security data sheet reflects the latest knowledge ref. to our product. The security data sheet intends to describe the product with reference to its safety requirements. This does not imply a warranty that our product is of a specific quality in terms of liability or guarantee provisions and therefore, the information is without obligation.