

Information on ingredients of the mixture that needs no

Material Safety Data Sheet

Information worked out according to art. 32 of REACH

LO 6li

Version Date: 24.08.2011r

Updating: not applicable

CAUTION:

The product is a mixture. The mixture is not classified as hazardous and contains no hazardous ingredients of a PBT or vPvB type in the amount of > 0.1% wag. Also, the mixture does not contain the substances for which The European Union worked out the maximum admissible product workplace concentrations. Therefore, it is not required to work out/ give the MSDS according to the art. 31 of the REACH Regulation (p. 5.1 of the present information). It is only required to work out/give the information on ingredients of the mixture based on art. 32 of the above-mentioned Regulation.

1. Product identification

Product Name: **HYDRAULIC OIL L-HL 32**
HYDRAULIC OIL L-HL 46
HYDRAULIC OIL L-HL 68
HYDRAULIC OIL L-HL 100
HYDRAULIC OIL L-HL 150

Registration № of the ingredient determining the product handling: 01-2119484627-25-XXXX

Product application: For application in moderately loaded power transmission and hydraulic control systems. It is designed for general use in the industrial chain of machinery and equipment.

Company Information

LOTOS OIL S.A., 80-718 GDAŃSK, ul. Elbląska 135, tel. (48) 58 308 7321, fax: (48) 58 308 8418
www.lotos.pl,
reach@grupalotos.pl

2. Information on permissions

The product ingredients are not subject to the procedure of giving permissions according to the Title VIII regulations of the REACH Regulation (*p. 5.1 of the present information*).

3. Information on limitations

The product ingredients are not subject to limitations according to the Title VIII regulations of the REACH Regulation (*p. 5.1 of the present information*).

4. Information on the risk control measures

CAUTION:

For the sake of the user, the information below concerns the finished product and not its ingredients. The product handling and its storage is fully determined by the ingredient mentioned in p.1 of the present information.

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Product handling:

General industrial safety and fire protection regulations should be obeyed.

Store the product away from the sources of heat/ sparks/ open fire/ hot surfaces. Use and storage only outside or in well-ventilated. Within the bounds of possibilities, works should be executed in well-ventilated rooms avoiding product inhalation as well as contact of the product with eyes and skin.

Avoid dump to the environment; **do not** lead to the sewage system.

Secure against electrostatic discharges.

Avoid pouring (with spattering) of large amounts of the hot product in its liquid form. Avoid risk of slipping.

NDS (MAC) - maximum admissible concentration of the mixture ingredients (p. 5.6 of the present information).

Name of the substance	NDS (mg/m ³)	NDSch (mg/m ³)	NDSP
Mineral oils – aerosol's liquid phase*	5	10	-

* not applicable in conditions when vapours are nor generated.

Product storage:

L-HL oils should be store in closed containers protecting the product against air, water ,impurities ,hit or mechanical damage according to the general industrial safety and fire protection regulations in force. Store-rooms should be dry, well-ventilated.

Recommended personal protection measures:

Respiratory system protection:

Special protection is not required, but avoid product vapours inhalation.

In case of substance spill or depending on its amount or the estimated exposure range, it can be applied a half-mask or a full respiratory mask with dust filters/ organic substances` vapours filters or self-contained breathing apparatus. If it is impossible to estimate the situation or there is a risk of oxygen deficiency, the self-contained breathing apparatus should be applied exclusively.

Hand and skin protection:

Special protection is not required, but to minimize risk wear protective clothing or gloves protecting against chemical factors, especially aromatic hydrocarbons. Gloves should be and heat-proof and insulated thermally if the contact with the hot product is possible or expected. Gloves made of vinyl polyoctane (PVA) are not water-proof and, therefore, they are useless in emergency situations.

Eyes and face protection:

Special protection is not required, but wearing safety glasses is a good habit, and in case of a splashing hazard – full protection of head, face and neck.

Transport information:

The product is not a subject to the ADR/RID regulations (p. 5.8 – 5.10 of the present information).

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5. REGULATORY INFORMATION

- 5.1 Regulation (EC) № 1907/2006 of the European Parliament and of the Council of 18 December 2006 *concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency* (OJ of the EU L 396, 30/12/2006 and the rectification OJ of the EU L 136, 29/05/2007);
- 5.2. Act of 25 February 2011 *on chemical substances and mixtures* (J. of L. of 2011 No.63 item 322);
- 5.3. Regulation of the Minister of Health of 2 September 2003 *on criteria and methods of classification of chemical substances and preparations* (J. of L. of 2003 No.171 item 1666 with further amendments);
- 5.4. Regulation (EC) No 1272/2008 (CLP) of the European Parliament and of the Council of 16 December 2008 *on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006* [Official Journal L 353 of 31 December 2008 with further amendments];
- 5.5. Regulation of the Minister of Health of 5 March 2009 *on the labelling of packaging for dangerous substances and dangerous preparations* (J. of L. of 2009 No.53 item 439); Regulation of the Minister of Health of 5 March 2009 *on the labelling of packaging for dangerous substances and dangerous preparations* (J. of L. of 2009 No.53 item 439);
- 5.6. Regulation of the Minister of Labour and Social Policy of 29 November 2002 *on maximum admissible concentration levels of noxious substances in the workplace* (J. of L. of 2002 No.217 item 1833 with further amendments);
- 5.7. Act of 20 June 1997 – *Road Traffic Law* (J. of L. of 2005 No. 108 item 908 with further amendments)
- 5.8. Council Directive 94/55/EC of 21 November 1994 *on the approximation of the laws of the Member States with regard to the transport of dangerous goods by road* [Official Journal L 319 of 12 December 1994] *changed by the Council Directive 2004/111/EC* [Official Journal L 365 of 10 December 2004].
- 5.9. Regulation *on the International Carriage of Dangerous Goods by Rail (RID) based on the Convention concerning International Carriage by Rail (COTIF)* of 9 May 1980 (J. of L. of 1985 No.34 item 158 with further amendments);