

Genuine Gear Oil GL-4 90 MSDS

SECTION 1:

Conforms to 91/155/EEC - 2001/58/EC - Europe

Product name	S U- 459 HITACHI GENUINE HYDRAULIC OIL 46TP
Manufacturer	IDEMITSU LUBE
Address	Singapore 37, Pandan Road, Singapore, 609280
Telephone	65-268-5888
Fax	65-265-5610
Material Uses	Not available.

SECTION 2: Composition / Information on Ingredients

Substance/Preparation	Preparation
To present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting in this section, in accordance to EU regulations or National regulations.	

SECTION 3: Hazards Identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Skin contact	Irritation of the product in case of skin contact: Not available. Sensitization of the product: Not available.
Aggravating conditions	Repeated or prolonged exposure is not known to aggravate medical condition.

SECTION 4: First-Aid Measures

First-Aid Measures

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

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SECTION 5: Fire-Fighting Measures

Extinguishing Media

Special fire-fighting procedures	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Protection of fire-fighters	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Be sure to use an approved/certified respirator or equivalent.

SECTION 6: Accidental Release Measures

Personal precautions	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Environmental Precautions and Clean-up Methods	Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

SECTION 7: Handling and Storage

Handling	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes/ vapor/ spray.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.
Packaging materials	
Recommended use	Use original container.

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SECTION 8: Exposure Controls/personal protection

Engineering measures	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Hygiene measures	Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.
Occupational Exposure Limits	Not available.
Personal protective equipment	
Skin and body	Lab coat. Gloves.
Eyes	Safety glasses.

SECTION 9: Physical and Chemical Properties

Physical state	Liquid.
Colour	Brown.
Odour	Characteristic.
pH	Not applicable.
Flash point	Open cup: 244°C (471.2°F)(Cleveland..)
Explosive properties	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Oxidizing Properties	Not available.
Density	0.9 g/cm ³ (15°C / 59°F)
Solubility	Insoluble in cold water.
Viscosity	Kinetic: 18.8 cSt (@100°C)

SECTION 10: Stability and Reactivity

Stability	The product is stable.
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SECTION 11: Toxicological Information

Local effects

Chronic toxicity	Repeated or prolonged exposure is not known to aggravate medical condition.
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SECTION 12: Ecological Information

SECTION 13: Disposal Considerations

Methods of disposal ; Waste of : residues ; Contaminated packaging	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Classification	Not applicable.
European Waste Catalogue (EWC)	Not available.
Hazardous Waste	To present knowledge of the supplier, this product is not regarded as hazardous waste as defined by EU Directive 91/689/EC.

SECTION 14: Transport Information

International transport regulations

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
ADR/RID Class	Not regulated.					-
ADN Class	Not regulated.					-
IMDG Class	Not regulated.					-
IATA-DGR Class	Not regulated.					-

SECTION 15: Regulatory Information

EU Regulations

Risk Phrases	This product is not classified according to the EU regulations.
Product Use	Classification and labeling have been performed according to EU directives 67/548/EEC, 1999/45/EC including amendments and the intended use. - Consumer applications.
EC Statistical Classification (Tariff Code)	

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SECTION 16: Other Information

History

Date of printing	2006/07/04.
Date of issue	2006/07/04.
Date of Previous	
Version	1
Prepared by	
Notice to Reader	<p>To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.</p>