

Genuine Hydraulic Oil 46TP 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	
Chemical name *	CAS-No	%	EC Number	Classification
Mineral oil		90-99		
See Section 16 for the full text of the R Phrases declared above			* Occupational Exposure Limit(s), if available, are listed in section 8	

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.

Genuine Hydraulic Oil 46TP MSDS

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. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
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.

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 firefighters	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.

Genuine Hydraulic Oil 46TP MSDS

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 ingest. Do not breathe gas/fumes/ vapor/spray. If ingested, seek medical advice immediately and show the container or the label.
Storage Packaging materials	Keep container tightly closed. Keep container in a cool, well-ventilated area.
Recommended use	Use original container.

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.
Ingredient Name	Mineral oil
Occupational Exposure Limits	ACGIH TLV (United States, 2004). TWA: 5 mg/m ³ 8 hour(s). Form: Oil mist
Personal protective equipment	
Skin and body	Lab coat.
Hands	Impervious gloves.
Eyes	Safety glasses.

Genuine Hydraulic Oil 46TP MSDS

SECTION 9: Physical and Chemical Properties

Physical state	Liquid.
Colour	Yellow. (Light)
Odour pH	Characteristic. Not applicable.
Flash point	Open cup: 240°C (464°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	0.87 g/cm ³ (15°C / 59°F)
Solubility	Insoluble in cold water.
Viscosity	Kinetic: 7.64 cSt (@100°C) Kinetic (40C): 49.4 cSt

SECTION 10: Stability and Reactivity

Stability	The product is stable.
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SECTION 11: Toxicological Information

Acute toxicity

Ingredient Name	Test	Result	Route	Species
Mineral oil	LD50	>5000 mg/kg	Oral	Rat

Local effects

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

Genuine Hydraulic Oil 46TP MSDS

SECTION 13: Disposal Considerations

Methods of disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste of :	residues ; Contaminated packaging.
Waste Classification	Not applicable.
European Waste	Not available.
Catalogue (EWC): 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.	Not available.	Not available.			-
ADN Class	Not regulated.	Not available.	Not available.			-
IMDG Class		Not available.	Not available.			-
IATA-DGR Class	Not regulated.	Not available.	Not available.			-

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.
Additional Warning Phrases	Safety Data Sheet available for professional user on request.
EC Statistical Classification	(Tariff Code)

Genuine Hydraulic Oil 46TP MSDS

SECTION 16: Other Information

Full text of R-Phrases with no. appearing in Section 2 - Europe Text of classifications appearing in Section 2

2011/02/16.

Date of Previous Issue

No Previous Validation.

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