

MATERIAL SAFETY DATA SHEET

Corporate Office:
BETTANO GmbH
Jerg - Wieland - Straße 3
09081 Ulm Germany
Email: info@bettanoglobal.com
support@bettano.co



Product:

Engine Oil

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SECTION 01 - IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY/UNDERTAKING

PRODUCT NAME BETTANO ENGINE OIL SAE 10W 40 API:SN

EMAIL ADDRESS info@bettanoglobal.com
Support@bettano.co

SECTION 02 - COMPOSITION AND INFORMATION ON INGREDIENTS

CHEMICAL NAME OF THE SUBSTANCE	PETROLEUM HYDROCARBON
GENERIC NAME	Hydro Treated Light Paraffinic Distillate
EXPOSURE LIMIT FOR TOTAL PRODUCT	5mg/ * for oil mist in air

SECTION 03 – HAZARDS IDENTIFICATION

This product is of low oral and dermal toxicity and under normal conditions of use should present no significant health hazards. However, prolonged and repeated skin contact should be avoided to preclude any risk of dermatitis.

SECTION 04 – FIRST AID MEASURES

Eye Contact: Remove and wash contaminated clothing and shoes. Wash exposed portions of the skin with soap and water. Prolonged or frequent skin contact may cause various skin disorders such as dermatitis, oil acne, skin redness and edema.

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Inhalation: Vapor inhalation under ambient conditions is normally not a problem. Move person to fresh air immediately. If breathing has stopped, apply artificial respiration and administration oxygen if necessary.

Ingestion: Seek medical attention. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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SECTION 05– FIRE FIGHTING MEASURES

Flash Point:	Above 210 (ASTM D 92)
Extinguishing Media:	Foam, Dry Chemical, Carbon Dioxide
Fire and Explosion Hazards:	Combustible material, low hazard. The product can form flammable mixtures or can burn only on heating above the flash point. However, minor contamination by hydrocarbons of higher volatility may increase the hazard.
Special Fire Fighting Procedures:	Do not enter confined fire space without protective equipment including NIOSH approved self-contained breathing apparatus. Use water only to cool fire exposed containers.
Unusual Fire and Explosion Hazards:	Not Applicable

SECTION 06 – ACCIDENTAL RELEASE MEASURES

Personal Protection	Do not empty into drains. Take up with absorbent material, e.g. sawdust, sand. Fill materials taken up into disposable container.
Waste Disposal:	Waste material should be dumped or buried in an approved industrial waste landfill. Large quantities may be disposed of by incineration in a suitable combustion chamber.
Procedures in Case of Leakage:	Remove with vacuum trucks or by pumping into storage facilities. Soak up residue with absorbent such as vermiculite. Dispose of absorbent and contaminated soil in the same manner as the product. Flush areas into chemical sewer to remove residual. Provide adequate ventilation during clean-up.

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SECTION 07 - HANDLING AND STORAGE

Handling: Store in dry place at room temperature. The protective measures as usual in the mineral oil industry have to be observed. Adequate ventilation in working area may be necessary. Provide suitable mechanical equipment for the safe handling of drums and heavy packages.

Load/Unload Temperature: Ambient to 50
Storage Temperature: Ambient to 50

Special Precautions: Keep containers closed when not in use. Prevent small spillage and leakage to avoid slip hazard.

SECTION 08 – EXPOSURE CONTROLS & PERSONAL PROTECTION

Eye Protection: Wear chemical goggles to prevent eye contact.

Skin Protection: Use chemical-resistant gloves, if needed.

Inhalation: Not required under normal usage. If product is handled in such a way as to create a vapor or mist, a NIOSH approved respirator should be used to prevent overexposure. In accordance with 29 CFR 1910.134, use either a full-face, atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

Ventilation: Adequate ventilation in accordance with good engineering practice must be provided to keep any oil mist concentration below the PEL.

Exposure Limits: 5 mg/ * for mineral oil mist average over an 8 hour daily exposure. (ACGIH)

SECTION 09 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: C&B
Vapor Pressure: Not Applicable
SP. Gravity: g/cm³@15.6°C: 0.860
Boiling Point: Not Applicable
Flash Point (ASTM D 92): Above 210°C
Viscosity (ASTM D 445), cSt,@100 : 16.2

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SECTION 10 – STABILITY & REACTIVITY

Incompatible Materials:	Avoid contact with strong oxidants such as liquid chlorine and Concentrated oxygen.
Hazardous Decomposition Products:	Product does not decompose at ambient temperature.
Stability:	Stable under normal ambient.
Reactivity Data	
Condition to avoid:	None known.
Material to avoid:	None known.
Hazardous Polymerization:	Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

No data available.

SECTION 12 – ECOLOGICAL INFORMATION

In the absence of specific environmental data for this product, this assessment is based on information for general hydrocarbon components found in lubricant mineral oils. Lubricant mineral oils, immediately following a release into the environment, will remain largely on the soil surface, on the water surface and in the water. Based on chemical/physical information from the literature for this product category, no harmful effects to terrestrial or aquatic habitats would be expected. This product is expected to be resistant to biodegradation and to persist in the environment.

SECTION 13 – DISPOSAL CONSIDERATION

Waste Disposal Method:	Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulation. Contact local environmental or health authorities for approved disposal of this material. Waste materials should be dumped or buried in an approved industrial waste land-fill. Large quantities may be disposed of by incineration in a suitable combustion chamber.
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SECTION 14 – TRANSPORT INFORMATION

Not concerned by the regulatory below:

Road (ADR) / Rail (RID)	:	Not restricted for transport
Transport by barge (ADNR)	:	
Marine (IMO-IMDG)	:	
Air (ICAO / IATA)	:	Not restricted for transport

SECTION 15 – REGULATORY INFORMATION

Not applicable

SECTION 16 – OTHER INFORMATION

The information presented herein has been complied with sources considered to be dependable and is accurate to the best of seller's knowledge; however, seller makes no warranty whatsoever regarding the accuracy of such data or the results to be obtained from the use thereof.

Seller assumes no responsibility for injury to buyer or to third person or for any damage to any property. Buyer assumes all such risks.