

SAFETY DATA SHEET

OIL 4001



Version 1.1

Revision Date 03/05/2019

Print Date 04/02/2020

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : OIL 4001

Recommended use : For research use only.

Restrictions on use : This material should not be used for any other purpose than that recommended without expert advice.

Manufacturer or supplier's details : INFINEUM USA L.P.
P.O. Box CN 135
Linden, NJ. 07036 USA

E-mail address for further information : SDS@infineum.com

Website for further information : <http://www.infineum.com>

Emergency telephone number : 703-527-3887 (international & maritime)
800-424-9300 (Transportation emergencies in the USA & Canada)

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of §1910.1200

This material is not considered to be hazardous according to regulations.

GHS-Classification

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

None.

Other hazards which do not result in classification

Caution - this is a research sample and the toxicological and ecotoxicological properties have not been fully evaluated.

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).

This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Warning: If this material is overheated, especially in the presence of water, hydrogen sulphide may be released; this can cause rapid respiratory collapse, coma and death without necessarily any warning odour being sensed.

HMIS Classification : Health: 0
Flammability: 1
Physical hazards: 0

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Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Symptoms : No symptoms known or expected.

Indication of any immediate medical attention and special treatment needed

Treatment : No hazards which require special first aid measures.
If a person vomits when lying on his back, place him in the recovery position.
Keep patient warm and at rest.

Protection of first-aiders : For personal protection see section 8.

SECTION 5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames

Unsuitable extinguishing media : Do NOT use water jet.

Specific hazards arising from the chemical

Combustibility : Not classified as flammable or combustible, but will combust if ignited.

Hazardous combustion products : Hydrogen sulphide, Sulphur oxides and Phosphorus oxides
Zinc oxides

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

Flammable properties : See Section 9 for information on flammability.

Special protective equipment and precautions for fire-fighters

Protective equipment and precautions for firefighters : In the event of fire, wear self-contained breathing apparatus.

Fire Fighting Instructions : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local

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Reference to other sections

Other information : For personal protection see section 8.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.

This product contains a thermally sensitive substance. Do not heat above the maximum loading/unloading temperature to minimise possible release of toxic hydrogen sulfide.

Normal measures for preventive fire protection.

Products may load from Infineum manufacturing site above the standard loading/unloading range.

Loading/unloading temperature : No data available

Viscosity @ Loading/unloading temperature : No data available

Static accumulator : This material is not a static accumulator.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

No decomposition if stored and applied as directed.

Do not reheat above: 60 °C (140 ° F)

Storage temperature : Ambient

Incompatible materials and coatings : No data available

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Values

Exposure limits for materials that can be formed when handling this product: When mists/aerosols can occur, the following are recommended: 5mg/m³ - ACGIH TLV, 10 mg/m³ - ACGIH STEL

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Important health safety and environmental information

Relative density	: ca.0.95 at 15.6 °C (60.1 ° F)
Bulk density	: Not applicable
Density	: ca.0.95 g/cm3 at 15 °C (59 ° F)
Flash point	: ca. 100 °C (212 ° F) Method: Pensky-Martens Closed Cup (ASTM D93)
Flammability (solid, gas)	: not determined
Lower flammability limit	: not determined
Upper flammability limit	: not determined
Auto-ignition temperature	: Not applicable
Initial boiling point and boiling range	: not determined
Vapour density (Air = 1.0)	: not determined
Vapour pressure	: < 0.1 hPa (< 0.1 mmHg) at 20 °C (68 ° F) estimated
Evaporation rate (N-butyl acetate=1)	: Not applicable
pH	: Not applicable
Partition coefficient: n-octanol/water	: not determined
Water solubility	: 0.00001 g/l at 20 °C (68 ° F)
Viscosity, kinematic	: ca.100 mm2/s at 40 °C (104 ° F)
Explosive properties	: not determined
Oxidizing properties	: See sections 3, 15
Decomposition temperature	: not determined
Pour point	: not determined
Melting point/freezing point	: not determined
Other information	
DMSO extract by IP346	: Less than 3.0 wt% (mineral oil component only)

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Reproductive toxicity : No data is available on the product itself.

STOT - single exposure : Assessment: No data is available on the product itself.

STOT - repeated exposure : Assessment: No data is available on the product itself.

Aspiration toxicity : No data is available on the product itself.

Components:

Base oil:

Carcinogenicity : No data available

Aspiration toxicity : May be fatal if swallowed and enters airways.

Carcinogenicity

IARC
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA
No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : No data is available on the product itself.

Toxicity to daphnia and other aquatic invertebrates : No data is available on the product itself.

Toxicity to algae : No data is available on the product itself.

Persistence and degradability

Product:

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Empty containers.

Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

SECTION 14. TRANSPORT INFORMATION

LAND (DOT)

Not regulated for transport by land

SEA (IMDG)

Not regulated for transport by sea under IMDG code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks Not applicable

AIR (IATA)

Not regulated for transport by air

SECTION 15. REGULATORY INFORMATION

To import this product into the EU your company requires registrations for all constituent substances that are subject to REACH registration. To discuss the possibility of setting up an Only Representative agreement with Infineum, please e-mail Only.Representatives@Infineum.com

CERCLA Reportable Quantity

This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Contact local authorities to determine if other reporting requirements apply.

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used for a purpose or under conditions which are abnormal or not reasonably foreseeable, this information must be reviewed with the supplier of such information.

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