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# MATERIAL SAFETY DATA SHEET

Infineum

DATE PREPARED: JUN 9, 2004  
MSDS NO.: 71913100

Infineum S1807

## SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Infineum S1807

CHEMICAL FAMILY:  
Petroleum Product

PRODUCT DESCRIPTION:  
Synthetic Two Stroke Oil.

CONTACT ADDRESS:  
Infineum USA L.P.  
P.O. Box CN 135, Linden NJ 07036

** EMERGENCY TELEPHONE NUMBERS: (24 Hours) **		
** CHEMTREC	(800) 424-9300	**
** CHEMTREC outside USA	(703) 527-3887	**
** Infineum USA L.P.	(800) 726-2015	**

NON EMERGENCY TELEPHONE NUMBER : (8am-5pm M-F)  
FOR GENERAL PRODUCT INFORMATION CALL : (800) 654-1233

## SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

The composition of this mixture may be proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse.

This product is hazardous as defined in 29 CFR1910.1200, based on the following compositional information:

<u>OSHA HAZARD</u>	<u>COMPONENT</u>
Combustible Liquid ACGIH TLV / OSHA PEL	Petroleum hydrocarbons Mineral oil mist

## SECTION 3 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

# MATERIAL SAFETY DATA SHEET

## Infineum

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Infineum S1807

### EYE CONTACT:

Will cause slight eye discomfort, but will not injure eye tissue.

### SKIN CONTACT:

Low order of toxicity.

Frequent or prolonged contact may irritate and cause dermatitis.

Skin contact may aggravate an existing dermatitis condition.

### INHALATION:

Negligible hazard at ambient (-18 to 38 Deg C; 0 to 100 Deg F) or recommended blending temperature.

Repeated and prolonged overexposure to oil mists may result in droplet deposition, oil granuloma formation, inflammation and increased incidence of infection.

Avoid breathing vapors or mists.

High vapor/aerosol concentrations (attainable at elevated temperatures well above ambient) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anaesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

### INGESTION:

Minimal toxicity.

Small amounts of the liquid aspirated into the respiratory system during ingestion, or from vomiting, may cause bronchiopneumonia or pulmonary edema.

## SECTION 4 FIRST AID MEASURES

### EYE CONTACT:

Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

### SKIN CONTACT:

Immediately flush with large amounts of water; use soap if available.

Remove contaminated clothing, including shoes, after flushing has begun.

### INHALATION:

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

### INGESTION:

DO NOT induce vomiting. If individual is conscious, give milk or water

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to dilute stomach contents. Keep warm and quiet. Get prompt medical attention. DO NOT attempt to give anything by mouth to an unconscious person.

### SECTION 5 FIRE-FIGHTING MEASURES

FLASH POINT: 158 Deg F. METHOD: PMCC ASTM D93 NOTE: Minimum  
FLAMMABLE LIMITS: NOTE: Not Available  
AUTOIGNITION TEMP.: NOTE: Not available

#### **GENERAL HAZARD**

Combustible Liquid, can form combustible mixtures at temperatures at or above the flashpoint.

Toxic gases will form upon combustion.

"Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, 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. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

#### **FIRE FIGHTING.**

Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire.

Use foam, dry chemical, or water spray to extinguish fire.

Respiratory and eye protection required for fire fighting personnel.

#### **DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS**

Fumes, smoke, Carbon Monoxide (CO) and Oxide of Nitrogen (Toxic)

### SECTION 6 ACCIDENTAL RELEASE MEASURES

#### **LAND SPILL**

Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Also, if this product is subject to CERCLA reporting (see Section 15 REGULATORY INFORMATION) notify the National Response Center.

Prevent liquid from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth. Do not use combustible materials such as sawdust.

# MATERIAL SAFETY DATA SHEET

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Infineum S1807

Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent.  
Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

### WATER SPILL

Eliminate sources of ignition. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear.  
Remove from surface by skimming or with suitable adsorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters.  
Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

## SECTION 7 STORAGE AND HANDLING

### ELECTROSTATIC ACCUMULATION HAZARD

No, but use proper bonding and/or grounding procedure.

STORAGE TEMPERATURE Deg F:

Ambient

LOADING/UNLOADING TEMPERATURE Deg F:

Ambient

STORAGE/TRANSPORT PRESSURE mmHg:

Atmospheric

LOADING/UNLOADING VISCOSITY cSt:

Not available

### STORAGE AND HANDLING:

Keep container closed. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible materials.

Do NOT handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight.

This material is not a static accumulator, but use proper bonding and/or grounding procedures.

Do NOT pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. Do NOT rouse empty containers without commercial cleaning or reconditioning.

Avoid contact with water which can cause product degradation. Avoid high temperature contact with air which darkens product. Avoid contact with moist air.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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### EXPOSURE CONTROLS

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a lab hood. Provide mechanical ventilation of confined spaces. See respiratory protection recommendations.

### PERSONAL PROTECTION

For open systems where contact is likely, wear safety glasses with side shields, long sleeves, and chemical resistant gloves.  
Where contact may occur, wear safety glasses with side shields.  
Where concentrations in air may exceed the limits given in this section and engineering, work practice or other means of exposure reduction are not adequate, NIOSH approved respirators may be necessary to prevent overexposure by inhalation.

### WORKPLACE EXPOSURE GUIDELINES

OSHA REGULATION 29CFR1910.1000 REQUIRES THE FOLLOWING PERMISSIBLE EXPOSURE LIMITS:

A TWA of 5 mg/m<sup>3</sup> for Oil Mists, mineral.

The recommended permissible exposure levels indicated above reflect the levels revised by OSHA in 1989 or in subsequent regulatory activity. Although the 1989 levels have since been vacated by the 11th Circuit Court of Appeals, a supplier recommends that the lower exposure levels be observed as reasonable worker protection.

THE ACGIH RECOMMENDS THE FOLLOWING THRESHOLD LIMIT VALUES:

A TWA of 5 mg/m<sup>3</sup> and a STEL of 10 mg/m<sup>3</sup> for Mineral Oil Mist.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY at Deg F:

0.89 at 60 Typical

DENSITY at Deg F:

7.4 lbs/gal at 60 Typical

VAPOR PRESSURE, mmHg at Deg F:

Negligible at ambient

SOLUBILITY IN WATER, wt. % at Deg F:

Negligible

VISCOSITY OF LIQUID, cSt at Deg F:

31 at 104 Typical

6.6 at 212 Typical

SP. GRAV. OF VAPOR, at 1 atm (Air=1):

Greater than air

FREEZING/MELTING POINT, Deg F:

Less than ambient

EVAPORATION RATE, n-Bu Acetate=1:

Negligible

BOILING POINT, Deg F:

Not available

## SECTION 10 STABILITY AND REACTIVITY

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**STABILITY:**  
Stable

**CONDITIONS TO AVOID INSTABILITY:**  
None

**HAZARDOUS POLYMERIZATION:**  
Will not occur

**CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION:**  
None

**MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:**  
Strong oxidizing agents

**HAZARDOUS DECOMPOSITION PRODUCTS:**  
None

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### SECTION 11 TOXICOLOGICAL INFORMATION

Please refer to Section 3 for available information on potential health effects.

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### SECTION 12 ECOLOGICAL INFORMATION

No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

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### SECTION 13 DISPOSAL CONSIDERATIONS

Please refer to Sections 5, 6 and 15 for disposal and regulatory information.

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### SECTION 14 TRANSPORT INFORMATION

Page: 8/8

# MATERIAL SAFETY DATA SHEET

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Infinoum S1807

U.S. DEPARTMENT OF TRANSPORTATION (DOT):  
DOT SHIPPING DESCRIPTION: COMBUSTIBLE LIQUID, N.O.S., (PETROLEUM  
HYDROCARBONS) COMBUSTIBLE LIQUID, NA1993, III

NOTE: In containers less than 119 gallons, this product is not regulated by DOT.

### SECTION 15 REGULATORY INFORMATION

#### **TSCA:**

All of the components of this product are listed on the TSCA Inventory.  
Clean Water Act/Oil Pollution Act:

This product is classified as an oil under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Act of 1990. Discharge or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water, must be reported to the National Response Center at 800-424-8802.

#### **CERCLA:**

If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act. We recommend you contact local authorities to determine if there may be other local reporting requirements.

#### **SARA TITLE III:**

Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:

Fire.

This information may be subject to the provisions of the Community Right-to-Know Reporting Requirements (40 CFR 370) if threshold quantity criteria are met.

This product does not contain Section 313 Reportable Ingredients.

### SECTION 16 OTHER INFORMATION

#### **HAZARD RATING SYSTEMS:**

This information is for people trained in:  
National Paint & Coatings Association's (NPCA)  
Hazardous Materials Identification System (HMIS)  
National Fire Protection Association (NFPA 704)  
Identification of the Fire Hazards of Materials

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	NPCA-HMIS	NFPA 704	KEY
HEALTH	2	2	4= Severe
FLAMMABILITY	2	2	3= Serious
REACTIVITY	0	0	2= Moderate
			1= Slight
			0= Minimal

CAUTION: HMIS ratings are based on a 0-4 rating scale with 1 representing minimal hazards or risks, and 4 representing significant hazards or risks. Recommended HMIS ratings should not be used in the absence of a fully implemented HMIS hazard communication program.

REFERENCE NUMBER:  
HDHA-B-12299

SUPERSEDES ISSUE DATE:

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the users responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

LAST PAGE