

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## Infineum F7995



Version 1.0

Revision Date 09.09.2011

Print Date 21.09.2011

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product identifier** : Infineum F7995

**Other means of Identification** : 72761

**Relevant identified uses of the substance or mixture and uses advised against** : Additive for petroleum fuels

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

**Details of the supplier of the safety data sheet** : INFINEUM UK LIMITED  
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### SECTION 2. HAZARDS IDENTIFICATION

**This material is considered to be hazardous according to regulations.**

#### Classification of the substance or mixture

#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

Harmful Xn R65  
R66

#### Risk advice to man and the environment

Harmful: may cause lung damage if swallowed.  
Repeated exposure may cause skin dryness or cracking.

#### Label elements

#### Labelling according to EC Directives

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Classification : Harmful

Labelling : Xn



Harmful

R-phrases : R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.

S-phrases : S36 Wear suitable protective clothing.  
S60 This material and its container must be disposed of as hazardous waste.  
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Hazardous components which must be listed on the label:

- low boiling point hydrogen treated naphtha

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Component	EC-No. Registration number	Concentration [%]	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)
low boiling point hydrogen treated naphtha	265-150-3	>=70 - <90	Xn; R65 R66	Asp. Tox. 1; H304

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

All concentrations are weight percent units for liquids or volume percent units for gaseous products.

Other ingredients determined not to be hazardous up to 100%.

### SECTION 4. FIRST AID MEASURES

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## Description of first aid measures

- General advice** : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.
- If inhaled** : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.  
If symptoms persist, call a physician.
- In case of skin contact** : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
If symptoms persist, call a physician.  
In case of burns apply cold water until pain subsides then seek medical advice.
- In case of eye contact** : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed** : Clean mouth with water and drink afterwards plenty of water.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.
- Do NOT induce vomiting.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing media

- Suitable extinguishing media** : Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames

### Special hazards arising from the substance or mixture

- Combustibility : Combustible.
- Hazardous combustion products : Metal oxides  
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

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Flammable properties :  
See Section 9 for information on flammability.

### Advice for firefighters

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

**Fire Fighting Instructions** : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures** : Avoid contact with spilled material. Do not touch or walk through spilled material.  
  
Use personal protective equipment.  
Ensure adequate ventilation.

**Environmental precautions** : Prevent entry into waterways, sewers, basements or confined areas.  
  
Try to prevent the material from entering drains or water courses.  
No special environmental precautions required.

**Methods and materials for containment and cleaning up** : Prevent further leakage or spillage if safe to do so.  
Large Spills: Dyke far ahead of liquid spill for later recovery and disposal.  
Recover by pumping or with suitable absorbent

Report spills as required to appropriate authorities.  
Seek the advice of a specialist before using dispersants.  
Dispose of according to local regulations.  
In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.  
Material will float on water, use containment booms as a barrier to protect shorelines.

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### Reference to other sections

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**Other information** : For personal protection see section 8.

## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid exceeding of the given occupational exposure limits (see section 8).  
Smoking, eating and drinking should be prohibited in the application area.

Normal measures for preventive fire protection.

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

Loading/unloading temperature : 0 °C (32 °F) - 40 °C (104 °F)

Viscosity @ Loading/unloading temperature : 2 cSt - 4 cSt

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: Not relevant

Storage temperature : 0 °C (32 °F) - 40 °C (104 °F)

Incompatible materials and coatings : no data available

### Specific end uses

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Substance name					
Form	Limit / Standard			Note	Source
low boiling point hydrogen treated naphtha					
	TWA		1,200 mg/m3		EMBSI
	TWA	171 ppm			EMBSI

Exposure limits for materials that can be formed when handling this product: When mists/aerosols can occur, the following are recommended: 5mg/m<sup>3</sup> - ACGIH TLV, 10 mg/m<sup>3</sup> - ACGIH STEL  
Limits/standards shown for guidance only. Follow applicable regulations.

### Exposure controls

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Appropriate engineering controls : No special requirements under ordinary conditions of use and with adequate ventilation.

:  
**Personal protective equipment**

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hand protection : Solvent-resistant gloves  
Before removing gloves clean them with soap and water.  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.  
When handling hot material, use heat resistant gloves.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Eye/face protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

Skin and body protection : impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Long sleeved clothing

### Advice on general occupational hygiene

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

### Environmental exposure controls

General advice : Prevent entry into waterways, sewers, basements or confined areas.

: Try to prevent the material from entering drains or water courses.  
No special environmental precautions required.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical and chemical properties are given below. Consult the Supplier in Section 1 for additional data.

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**Information on basic physical and chemical properties**

Physical state	: liquid
Form	: not determined
Colour	: dark brown
Odour	: solvent-like
Odour Threshold	: not determined

**Important health safety and environmental information**

Relative density	: not determined
Bulk density	: not applicable
Density	: 0.833 g/cm <sup>3</sup> at 15 °C (59 °F) Method: ASTM D4052
Flash point	: 62 °C (144 °F) Method: Pensky-Martens Closed Cup (ASTM D93)
Flammability (solid, gas)	: not determined
lower flammability limit	: not determined
upper flammability limit	: not determined
Autoignition temperature	: not applicable
Boiling point/boiling range	: not determined
Vapour density (Air = 1.0)	: not determined
Vapour pressure	: < 0.1 hPa (< 0.1 mmHg) estimated
Evaporation rate (N-butyl acetate=1)	: not applicable
pH	: not applicable
Partition coefficient: n-octanol/water	: not determined
Water solubility	: < 0.0001 g/l estimated
Viscosity, kinematic	: 4 mm <sup>2</sup> /s at 0 °C (32 °F) Method: ASTM D 445

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3 mm<sup>2</sup>/s at 20 °C (68 °F)  
Method: ASTM D 445  
2 mm<sup>2</sup>/s at 40 °C (104 °F)  
Method: ASTM D 445  
12 mm<sup>2</sup>/s at -30 °C (-22 °F)  
Method: ASTM D 445

Explosive properties : not determined

Oxidizing properties : See sections 3, 15

Decomposition temperature : not determined

Pour point : not determined

Melting point/range : not determined

### Other information

DMSO extract by IP346 : Less than 3.0 wt% (mineral oil component only)

Coefficient of thermal expansion : 0.00092 1/°C ITM 50-020

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

**Chemical stability / Possibility of hazardous reactions** : Stable under normal conditions.

**Conditions to avoid** : Elevated temperatures. Open flames and high energy ignition sources.

**Incompatible materials** : Strong oxidizing agents

## SECTION 11. TOXICOLOGICAL INFORMATION

The toxicological properties of the product have not been fully investigated. The data listed below is derived from the GHS classification for this material.

### Information on likely routes of exposure

**Acute inhalation toxicity** : Minimally toxic >50 mg/l

**Acute dermal toxicity** : Minimally toxic >5000 mg/kg

**Acute oral toxicity** : Minimally toxic >5000 mg/kg



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**Aspiration hazard** : May be fatal if swallowed and enters airways.

### Irritation

Not classified as a skin irritant, but may be mildly irritating to skin with prolonged exposure  
Not classified as an eye irritant, but may cause mild, short-lasting discomfort to the eyes.

### Chronic effects / Other effects

**Specific target organ toxicity - single exposure** : Not classified as a respiratory irritant, but elevated temperatures or mechanical action may form vapours, mists or fumes which may be irritating to the eyes, nose, throat and lungs

## SECTION 12. ECOLOGICAL INFORMATION

The toxicological properties of the product have not been fully investigated. The data listed below is derived from the GHS classification for this material.

The information given is based on data available for the material, the components of the material, and similar materials.

### Ecotoxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

### Product

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### Acute aquatic toxicity

L(E)C50 >100 mg/l

### Bioaccumulative potential

pKow : See Section 9

Mobility : A base oil component of this product floats and can migrate from water to land

## SECTION 13. DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied, Disposal must be in accordance with applicable laws and regulations, and material characteristics at time of disposal

For the safety of persons conducting disposal, recycling or reclamation activities, refer to the information in Section 8, Exposure control and personal protection.

### Waste treatment methods

**Product** : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Offer surplus and non-recyclable solutions to a licensed disposal company.

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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.

### Regulatory disposal information

European Waste Code : 13 07 XX  
wastes of liquid fuels

## SECTION 14. TRANSPORT INFORMATION

### LAND (ADR)

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

### Safety, health and environmental regulations/legislation specific for the substance or mixture

Risk classification according to VbF : Flash Point > 55 °C up to 100 °C, at 15 °C not miscible with water

Major Accident Hazard Legislation : 96/82/EC Update: 2003  
Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams)  
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Quantity 1: 2,500 t  
Quantity 2: 25,000 tWater contaminating class : WGK 1 slightly water endangering  
(Germany)

TA Luft List (Germany)

	portion Class 1	portion Class 2	portion Class 3	portion Class 4	portion other substances
Total dust	not applicable				
Inorganic substances in powdered form	not applicable				
Inorganic substances in vapour or gaseous form	not applicable				
Organic Substances					93.35 %
Carcinogenic substances			84 %		
Mutagenic	not applicable				
Toxic to reproduction	not applicable				

**National chemical inventory status:**

List	Status
EINECS	: Listed
TSCA	: Listed
AICS	: Listed
DSL	: Listed
ENCS	: Listed
KECI	: Listed
PICCS	: Listed
IECSC	: Listed
NZIoC	: Listed

To import this product your company requires (pre)registrations for all of the substances contained within. To discuss the possibility of setting up an only representative agreement with Infineum please e-mail REACH@Infineum.com

Other regulations : Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.  
Take note of Dir 94/33/EC on the protection of young people at work.

**Chemical Safety Assessment****SECTION 16. OTHER INFORMATION****Full text of R-phrases referred to under sections 2 and 3**

R65 Harmful: may cause lung damage if swallowed.

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R66 Repeated exposure may cause skin dryness or cracking.

### Full text of H-Statements referred to under sections 2 and 3.

H304 May be fatal if swallowed and enters airways.

Revision changes since the previous version are marked in the margins throughout this document

### Sources of key data used to compile the Safety Data Sheet:

Austria: Regulation on Combustible Liquids VbF AT V1.2

EU Registration, Evaluation and Restriction of Chemicals regulation (REACH): Classification and Labelling Inventory

Denmark: Executive Order No. 301 Bekendtgørelse om fastsættelse af kodenumre

Arbejdstilsynets bekendtgørelse nr. 301 af 1. maj 1993 (MAL Code)

France: Installations Classées pour la Protection de l'Environnement. (Loi 76/663 (modifiée) relative aux installations classées).

France: le code de la sécurité sociale (titre VI du livre IV). (maladies professionnelles)

Germany: Administrative regulation for water hazardous substances # VwVwS of 17 May 1999 (WGK).

Germany: LGK. Combined storage of chemicals # Federation of Chemical Industries dated July 1998.

Germany: TA Luft

UN Economic Commission for Europe: European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR)

Infineum studies

International Agency for Research on Cancer

International Air Transport Association: Dangerous Goods Regulations.

International Maritime Organization: International Maritime Dangerous Goods Code

Component supplier data

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