



Safety Data Sheet

SDS no. PID11715

ULTRAFREE* NS

Revision date 26/May/2025

Supersedes Date: 01/Mar/2019

Version 10

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name ULTRAFREE* NS
Product code PID11715
UFI: UHX0-F042-700Q-MSK5

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Lubricant

Uses advised against Consumer use

1.3 Details of the supplier of the safety data sheet

Supplier
Schlumberger Oilfield UK LTD
Minerva, Manor Royal London Road
Crawley
RH10 9BU
United Kingdom

+44 1293 556655

SDS@slb.com

1.4 Emergency Telephone Number

Emergency telephone (24 Hour) Australia +61 2801 44558, Asia Pacific +65 3158 1074, China +86 10 5100 3039, Europe +44 (0) 1235 239 670, Middle East and Africa +44 (0) 1235 239 671, New Zealand +64 9929 1483, USA +1 866 928 0789

National Poison Center Numbers

Austria	+43 1 406 43 43
Bulgaria	+359 2 9154 233
Croatia	+385 1 23 48 342
Cyprus	1401
Denmark	Poison Control Hotline (DK): +45 82 12 12 12
France	ORFILA (INRS): +33 1 45 42 59 59
Hungary	+36 80 201 199 (0-24 hours, free of charge - only from Hungary) +36 1 476 6464 (0-24 hours, for a normal fee - also from abroad)
Italy	CAV "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e Accettazione DEA; Roma: +39 06 68593726 Az. Osp. Univ; Foggia: +39 800183459 Az. Osp. "A. Cardarelli"; Napoli: +39 801-5453333 CAV Policlinico "Umberto I"; Roma: +39 06 49978000 CAV Policlinico "A. Gemelli"; Roma: +39 06 3054343



	Az. Osp. "Careggi" U.O. Tossicologia Medica; Firenze: +39 055 7947819 CAV Centro Nazionale di Informazione Tossicologica; Pavia: +39 0382 24444 Osp. Niguarda Ca' Granda; Milano: +39 02 66101029 Azienda Ospedaliera Papa Giovanni XXII; Bergamo: +39 800883300 Azienda Ospedaliera Integrata Verona; Verona: +39 800011858
Netherlands	NVIC: +31 (0)88 755 8000 : Only for the purpose of informing medical personnel in case of acute intoxications
Norway	Poison information centre: +47 22 59 13 00
Romania	+40 21 318 36 06

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Health hazards

Aspiration toxicity	Category 1
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Environmental hazards Not classified

Physical Hazards Not classified

2.2 Label elements



Signal word

DANGER

Hazard Statements

H304 - May be fatal if swallowed and enters airways

EU Specific Hazard Statements

EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331 - Do NOT induce vomiting

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

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Contains

1-tetradecene

Hexadec-1-ene

2.3 Other hazards

Not classified as PBT/vPvB by current EU criteria

This product does not contain any known or suspected endocrine disruptors



3. Composition/information on Ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical Name	EC No	CAS No	Weight-%	Component information
1-tetradecene	214-306-9	1120-36-1	30-60	Asp. Tox. 1 (H304) EUH066
Hexadec-1-ene	211-105-8	629-73-2	10-30	Asp. Tox. 1 (H304) EUH066

Comments

The product contains other ingredients which do not contribute to the overall classification.

4. First Aid Measures

4.1 First aid measures

Inhalation	Move the exposed person to fresh air at once. If breathing is difficult, (trained personnel should) give oxygen. If breathing has stopped, begin artificial respiration. Seek medical attention at once.
Ingestion	Rinse mouth. Do not induce vomiting without medical advice. Risk of product entering the lungs on vomiting after ingestion. Never give anything by mouth to an unconscious person. Seek medical attention at once.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation persists.
Eye Contact	Promptly wash eyes with lots of water while lifting eye lids. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General advice	The severity of the symptoms described will vary dependant of the concentration and the length of exposure. If adverse symptoms develop, the casualty should be transferred to hospital as soon as possible.
Symptoms	
Inhalation	Please see Section 11. Toxicological Information for further information.
Ingestion	Please see Section 11. Toxicological Information for further information.
Skin contact	Please see Section 11. Toxicological Information for further information.



Eye contact Please see Section 11. Toxicological Information for further information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, dry chemical, carbon dioxide (CO₂), or foam.

Extinguishing media which must not be used for safety reasons

None known.

5.2. Special hazards arising from the substance or mixture

Unusual fire and explosion hazards

None known.

Hazardous combustion products

Thermal decomposition can lead to release of irritating and toxic gases and vapors

5.3 Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

Special Fire-Fighting Procedures

Containers close to fire should be removed immediately or cooled with water.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. See also section 8.

6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.

Environmental exposure controls

Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. After cleaning, flush away traces with water.



6.4 Reference to other sections

See section 13 for more information.

7. Handling and Storage

7.1 Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Do not breathe vapors or spray mist. Avoid spills and splashing during use.

Hygiene Measures

Use good work and personal hygiene practices to avoid exposure. When using do not eat, drink, smoke, sniff Wash hands and face before breaks and immediately after handling the product Remove contaminated clothing

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/precautions Ensure adequate ventilation.

Storage precautions Keep containers tightly closed in a dry, cool and well-ventilated place Avoid heat, flames and other sources of ignition. Avoid contact with: Oxidizing agents Strong acids

Storage class Chemical storage.

Storage class, TRGS 510, Germany LGK12 - Non-combustible liquids

Packaging materials Use specially constructed containers only.

7.3 Specific end uses

See Section 1.2.

8. Exposure Controls/Personal Protection

8.1 Control parameters

Exposure limits Contains no substances with occupational exposure limit values

Component Information

Chemical Name	EU OEL	Austria	Denmark
1-tetradecene	Not determined	Not determined	Not determined
Hexadec-1-ene	Not determined	Not determined	Not determined
Chemical Name	France	Germany	Hungary
1-tetradecene	Not determined	Not determined	Not determined
Hexadec-1-ene	Not determined	Not determined	Not determined
Chemical Name	Italy	Netherlands	Norway
1-tetradecene	Not determined	Not determined	Not determined
Hexadec-1-ene	Not determined	Not determined	Not determined
Chemical Name	Poland	Portugal	Romania
1-tetradecene	Not determined	Not determined	Not determined
Hexadec-1-ene	Not determined	Not determined	Not determined
Chemical Name	Spain	Switzerland	UK
1-tetradecene	Not determined	Not determined	Not determined



Hexadec-1-ene	Not determined	Not determined	Not determined
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Europe - REACH
Derived No Effect Level (DNEL)

Predicted No Effect Concentration (PNEC)

1-tetradecene

Fresh Water	0.001 mg/l
Sea Water	0.001 mg/l
Freshwater sediment	67.62 mg/kg
Sea sediment	67.62 mg/kg
Soil	13.5 mg/kg
Intermittent release	0.001 mg/l

Hexadec-1-ene

Fresh Water	0.001 mg/L
Sea Water	0.001 mg/L
Freshwater sediment	426.58 mg/kg
Sea sediment	426.58 mg/kg
Soil	85.3 mg/kg
Intermittent release	0.001 mg/L

8.2 Exposure controls

All chemical Personal Protective Equipment (PPE) should be selected based on an assessment of both the chemical hazard present and the risk of exposure to those hazards. The PPE recommendations below are based on an assessment of the chemical hazards associated with this product. Where this product is used in a mixture with other products or fluids, additional hazards may be created and as such further assessment of risk may be required. The risk of exposure and need of respiratory protection will vary from workplace to workplace and should be assessed by the user in each situation.

Engineering Controls

Ensure adequate ventilation. Provide mechanical general and/or local exhaust ventilation to prevent release of vapor or mist into work environment.

Personal protective equipment

Eye protection

Use eye protection according to EN 166, designed to protect against liquid splashes. Safety glasses with side-shields. Tightly fitting safety goggles.

Hand protection

Wear chemically resistant gloves (tested to EN 374) in combination with 'basic' employee training Impervious gloves made of: Nitrile Neoprene PVC
Break through time >480 minutes
Glove thickness >=0.4 mm

Respiratory protection

Be aware that liquid may penetrate the gloves. Frequent change is advisable.
In case of insufficient ventilation wear suitable respiratory equipment, Respirator with a vapor filter (EN 141), Use respirator with organic vapor protection (A, brown), At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used.

Skin and body protection

Wear suitable protective clothing, Eye wash and emergency shower must be available at the work place.

Hygiene Measures

Wash hands before eating, drinking or smoking, Remove and wash contaminated clothing before re-use.



8.2.3 Environmental exposure controls

**Environmental exposure**

Use appropriate containment to avoid environmental contamination See section 6 for more information

9. Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

Physical state	Liquid
Appearance	No information available
Color	Yellow - Brown
Odor	Hydrocarbon-like

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH	No information available	
pH @ dilution	No information available	
Melting point	No information available	
Boiling point/range	> 250 °C / > 482 °F	
Flash point	110 °C / 230 °F	ASTM D93
Evaporation rate (BuAc =1)	No information available	
Flammability	Not applicable	
Explosion limits:		
Upper explosion limit	No information available	
Lower explosion limit	No information available	
Vapor pressure	<1.5 Pa	@ 20 °C
Relative Vapor Density	No information available	
Specific gravity	0.80 - 0.825	
Bulk density	No information available	
Water solubility	Insoluble in water	
Solubility in other solvents	No information available	
Autoignition temperature	220 °C / 428 °F	
Decomposition temperature	No information available	
Kinematic viscosity	3 - 6 cst	@ 40 °C
Dynamic viscosity	No information available	
Partition Coefficient (n-octanol/water)	No information available	
Density and/or Relative Density	No information available	
Explosive properties	Not applicable	
Oxidizing properties	None known.	

9.2 Other information

Pour point	-5°C / 23°F
Molecular weight	No information available
VOC content(%)	None

Comments

The data listed above are typical physical and chemical properties and should not be construed as product specification.

10. Stability and Reactivity**10.1 Reactivity**

No specific reactivity hazards associated with this product.



10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of Hazardous Reactions

Hazardous polymerization

Hazardous polymerization does not occur.

10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

Oxidizing agents. Strong acids.

10.6 Hazardous decomposition products

See Section 5.2.

11. Toxicological Information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system. May cause additional affects as listed under "Ingestion".
Eye contact	May cause irritation.
Skin contact	Repeated exposure may cause skin dryness or cracking.
Ingestion	May be fatal if swallowed and enters airways. Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.
Unknown acute toxicity	Not Applicable.

Toxicology data for the components

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
1-tetradecene	> 10000 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	No data available
Hexadec-1-ene	> 10000 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	> 8.5 mg/L (Rat) 1 h

Sensitization This product does not contain any components suspected to be sensitizing.

Mutagenic effects This product does not contain any known or suspected mutagens.

Carcinogenicity This product does not contain any known or suspected carcinogens.

Reproductive toxicity This product does not contain any known or suspected reproductive hazards.



Routes of Exposure	Ingestion. Skin contact.
Routes of entry	Ingestion.
Specific target organ toxicity - Single exposure	Not classified
Specific target organ toxicity - Repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Endocrine disrupting properties	This product does not contain any known or suspected endocrine disruptors.
Other information	Key literature references and sources for data. See Section 16 for more information.

12. Ecological Information

12.1 Toxicity

The product component(s) are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Toxicity to algae

See component information below.

Toxicity to fish

See component information below.

Toxicity to daphnia and other aquatic invertebrates

See component information below.

Toxicology data for the components

Chemical Name	Toxicity to fish	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates
1-tetradecene	> 1000 mg/l	> 1000 mg/l	> 1000 mg/l
Hexadec-1-ene	No information available	No information available	No information available

12.2 Persistence and degradability

Readily biodegradable.

12.3 Bioaccumulative potential

Does not bioaccumulate.

12.4 Mobility

Mobility

Insoluble in water.

Mobility in soil



No information available.

12.5 Results of PBT and vPvB assessment

Not classified as PBT/vPvB by current EU criteria.

12.6 Endocrine disrupting properties.

This product does not contain any known or suspected endocrine disruptors

12.7 Other adverse effects

None known.

12.8 Additional information

Key literature references and sources for data. See Section 16 for more information.

13. Disposal Considerations

13.1 Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.
EWC Waste Disposal No	According to the European Waste Catalog, Waste Codes are not product specific, but application specific Waste codes should be assigned by the user based on the application for which the product was used The following Waste Codes are only suggestions: EWC waste disposal No: 07 01 04

14. Transport information

14.1. UN number

Not regulated

14.2. UN proper shipping name

The product is not covered by international regulation on the transport of dangerous goods

14.3 Hazard class(es)

ADR/RID/ADN/ADG Hazard class	Not regulated
IMDG/ANTAQ Hazard class	Not regulated
ICAO/ANAC Hazard class/division	Not regulated

14.4 Packing group

ADR/RID/ADN/ADG Packing group	Not regulated
IMDG/ANTAQ Packing group	Not regulated
ICAO/ANAC Packing group	Not regulated



14.5 Environmental hazard

No

14.6 Special precautions

Not Applicable

14.7 Maritime transport in bulk according to IMO instruments

Please contact SDS@slb.com for info regarding transport in Bulk.



15. Regulatory Information

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

This safety data sheet complies with the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008
Commission Regulation (EU) No 2020/878 of 18 June 2020
Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

Great Britain

UK REACH Regulations SI 2019/758 of 31 January 2019

Dangerous substance category per Seveso Directive (2012/18/EU)

This product does not contain substances listed under Dangerous substance category per Seveso Directive (2012/18/EU)

Netherlands

Dutch Mining Regulations: In accordance with Mining Regulations 9.2 and Chapter 4 of the Working Conditions Decree.

Germany

Chemicals act
Hazardous substances ordinance
Regulations governing systems for handling substances hazardous to waters

Germany, Water Endangering
Classes (VwVwS) Water endangering class = 1

Technical Rules for Hazardous
Substances (TRGS) TRGS 220 National aspects when compiling safety data sheets
TRGS 510 Storage of hazardous substances in non stationary containers
TRGS 900 Occupational exposure limits

International inventories

USA (TSCA)	Complies
Canada (DSL)	Complies
Philippines (PICCS)	Does not comply
Japan (ENCS)	Does not comply
China (IECSC)	Does not comply
Australia (AICS)	Does not comply
Korean (KECL)	Does not comply
New Zealand (NZIoC)	Does not comply
Europe - REACH	

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15.2 Chemical Safety Report

No information available



16. Other Information

Prepared by Global Regulatory Compliance - Chemicals (GRC - Chemicals) , Sandra McWilliam
Supersedes Date: 01/Mar/2019
Revision date 26/May/2025
Version 10

This SDS has been revised in the following section(s) All sections. No changes with regard to classification have been made.

Key literature references and sources for data

www.ChemADVISOR.com

Supplier

National Chemical Inventories

National regulatory information

National occupational exposure limits

Training Advice

Do not handle until all safety precautions have been read and understood

Follow general hygiene considerations recognized as common good workplace practices

HMIS classification

Health	1
Flammability	0
Physical hazard	0
PPE	B

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

H304 - May be fatal if swallowed and enters airways

EUH066 - Repeated exposure may cause skin dryness or cracking

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