Safety data sheet number PID98
Version 3
Revision date 11/Jul/2016
Supercedes date 26/Mar/2012

Safety Data Sheet
IDLUBE* XL

1. Identification of the substance/preparation and of the Company/undertaking

1.1 Product identifier

Product name IDLUBE* XL
Product code PID98

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
M-I Drilling Fluids UK Limited
C/O Schlumberger
Enterprise Drive
Westhill Industrial Estate
Westhill, AB32 6TQ
Scotland UK
+47 51577424

MISDS@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 001 281 561 1600

Netherlands	National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)

2. Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Health hazards

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2

Environmental hazards Not classified

Physical Hazards Not classified

2.2 Label Elements

Signal word
WARNING

Hazard statements
H315 - Causes skin irritation
H319 - Causes serious eye irritation

Precautionary Statements - EU (§28, 1272/2008)
P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P332 + P313 - If skin irritation occurs: Get medical advice/ attention
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/ attention

Supplementary precautionary statements
P362 - Take off contaminated clothing and wash before re-use
P501 - Dispose of contents/container in accordance with local regulations.

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Contains
Poly[oxy(methyl-1,2-ethanediyl)], alfa-methyl-omega-hydroxy-

(2-methoxymethylethoxy)propanol

Tetradecanol

Dodecan-1-ol

2.3 Other data

Not classified as PBT/vPvB by current EU criteria

3. Composition/information on ingredients

3.1 Substances

Not Applicable

3.2 Mixtures

Component	EC-No.	CAS-No	Weight % - range	Classification (67/548)	Classification (Reg. 1272/2008)	REACH registration number
Poly[oxy(methyl-1,2-ethanediyl)], alfa-methyl-omega-hydroxy-		37286-64-9	20-40	Xn; R22 Xi; R36/38	Acute Tox. 4 (H302) Eye Irrit. 2 (H319) Skin Irrit. 2 (H315)	Exempt
(2-methoxymethylethoxy)propanol	252-104-2	34590-94-8	10-20	-	Not classified	01-2119450011-60-xxxx
Tetradecanol	204-000-3	112-72-1	1-5	Xi; R36	Eye Irrit. 2 (H319)	01-2119485910-33-XXXX
Dodecan-1-ol	203-982-0	112-53-8	1-5	Xi; R36, N; R50	Eye Irrit. 2 (H319) Aquatic Acute 1 (H400)	01-2119485976-15-XXXX

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

4. First aid measures

4.1 First Aid

Inhalation If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion Rinse mouth. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Seek medical attention if irritation occurs.

Skin contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation persists.

Eye contact Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Get immediate medical attention.

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.

Main 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 (CO_2), or foam.

Extinguishing media which shall 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 gases and vapours.

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 materials 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-combustable 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 smoke, eat or drink. 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. Keep airborne concentrations below exposure limits.

Storage precautions Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage class Chemical storage.

Packaging material Use specially constructed containers only Plastic container

7.3 Specific end uses

See Section 1.2.

8. Exposure controls/personal protection

8.1 Control parameters

Component	EU OEL - Third List	Austria	Australia	Denmark
Poly[oxy(methyl-1,2-ethanediyl)], alfa-methyl-omega-hydroxy-	Not determined	Not determined	Not determined	Not determined
(2-methoxymethylethoxy)propanol	50 ppm TWA 308 mg/m³ TWA Possibility of significant uptake through the skin	100 ppm STEL 614 mg/m³ STEL 50 ppm TWA 307 mg/m³ TWA	50ppmTWA 308mg/m³TWA skin notation	50 ppm TWA 309 mg/m³ TWA Potential for cutaneous absorption
Tetradecanol	Not determined	Not determined	Not determined	Not determined
Dodecan-1-ol	Not determined	Not determined	Not determined	Not determined

Component	Malaysia	France	Germany	Hungary
Poly[oxy(methyl-1,2-ethanediyl)], alfa-methyl-omega-hydroxy-	Not determined	Not determined	Not determined	Not determined
(2-methoxymethylethoxy)propanol	100 ppm TWA 606 mg/m³ TWA Skin notation	50 ppmTWA 308 mg/m³TWA	50 ppm TWA 310 mg/m³ TWA	308mg/m³TWA 308mg/m³STEL

Tetradecanol	Not determined	Not determined	Not determined	Not determined
Dodecan-1-ol	Not determined	Not determined	Not determined	Not determined

Component	New Zealand	Italy	Netherlands	Norway
Poly[oxy(methyl-1,2-ethanediyl)], alfa-methyl-omega-hydroxy-	Not Determined	Not determined	Not determined	Not determined
(2-methoxymethylethoxy)propanol	150 ppm STEL 909 mg/m³ STEL 100 ppm TWA 606 mg/m³ TWA Possibility of significant uptake through the skin	Not determined	300 mg/m³	50 ppm TWA 300 mg/m³ TWA 75 ppm STEL 375 mg/m³ STEL Skin
Tetradecanol	Not Determined	Not determined	Not determined	Not determined
Dodecan-1-ol	Not Determined	Not determined	Not determined	Not determined

Component	Poland	Portugal	Romania	Russia
Poly[oxy(methyl-1,2-ethanediyl)], alfa-methyl-omega-hydroxy-	Not determined	Not determined	Not determined	Not determined
(2-methoxymethylethoxy)propanol	480 mg/m³ STEL 240 mg/m³ TWA	Skin 150 ppm STEL 100 ppm TWA	50ppmTWA 308mg/m³TWA 18ppmTWA 300mg/m³TWA	Not determined
Tetradecanol	Not determined	Not determined	Not determined	Not determined
Dodecan-1-ol	Not determined	Not determined	Not determined	Not determined

Component	Spain	Switzerland	Turkey	UK
Poly[oxy(methyl-1,2-ethanediyl)], alfa-methyl-omega-hydroxy-	Not determined	Not determined	Not determined	Not determined
(2-methoxymethylethoxy)propanol	Skin 50 ppm VLA-ED indicative limit value 308 mg/m³ VLA-ED indicative limit value	50 ppm STEL 15 min 300 mg/m³ STEL 15 min 50 ppm MAK 300 mg/m³ MAK	Skin 50 ppm TWA 308 mg/m³ TWA	150 ppm STEL calculated 924 mg/m³ STEL calculated Skin 50 ppm TWA 308 mg/m³ TWA
Tetradecanol	Not determined	Not determined	Not determined	Not determined
Dodecan-1-ol	Not determined	Not determined	Not determined	Not determined

Derived No Effect Level (DNEL)

Long term exposure systemic effects

(2-methoxymethylethoxy)propanol	
Dermal	283 mg/kg
Inhalation	308 mg/m³
Tetradecanol	
Dermal	125 mg/kg
Inhalation	220 mg/m³
Dodecan-1-ol	
Dermal	125 mg/kg
Inhalation	220 mg/m³

Predicted No Effect Concentration (PNEC)

(2-methoxymethylethoxy)propanol	
Fresh Water	19 mg/l
Sea Water	1.9 mg/l
Fresh water sediment	70.2 mg/kg
Soil	2.74 mg/kg
Impact on Sewage Treatment	4168 mg/l
Intermittent release	190 mg/l
Tetradecanol	
Fresh Water	0 mg/l
Sea Water	0 mg/l
Impact on Sewage Treatment	0.002 mg/L
Dodecan-1-ol	
Fresh Water	0.003 mg/L
Sea Water	0 mg/L
Fresh water sediment	1.1 mg/kg
Sea sediment	0.11 mg/kg
Soil	0.888 mg/kg
Impact on Sewage Treatment	0.021 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 measures to reduce exposure
Ensure adequate ventilation. Mechanical ventilation or local exhaust ventilation is required.

Personal protective equipment

Eye protection	Safety glasses with side-shields. Tightly fitting safety goggles.
Hand protection	Use protective gloves made of:, Nitrile, Neoprene, PVC, Be aware that liquid may penetrate the gloves. Frequent change is advisable.
Respiratory protection	No personal respiratory protective equipment normally required, In case of insufficient ventilation wear suitable respiratory equipment, 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.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear
Odour	Slight
Colour	amber
Odor threshold	No information available

Property	**Values**	**Remarks**
pH	No information available	
pH @ dilution		
Melting/freezing point	No information available	
Boiling point/range	No information available	
Flash Point	> 90 °C / > 194 °F	
Evaporation rate	No information available	
Flammability (solid, gas)	Not Applicable	
Flammability Limits in Air		
Upper flammability Limit	Not applicable	
Lower flammability limit	Not applicable	
Vapor pressure	No information available	
Vapor density	No information available	
Specific gravity	No information available	
Bulk density	No information available	
Relative density	0.91 - 0.95 s.g	
Water solubility	Slightly dispersible	
Solubility in other solvents	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Viscosity, dynamic	No information available	
Log Pow	No information available	

Explosive properties	Not Applicable
Oxidizing properties	None known.

9.2 Other information

Pour point	No information available
Molecular weight	No information available
VOC content(%)	none
Density VALUE	No information available

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 polymerisation does not occur.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

No materials to be especially mentioned.

10.6 Hazardous decomposition products

See Section 5.2.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Inhalation Inhalation of vapours in high concentration may cause irritation of respiratory system.

Eye contact Causes serious eye irritation.

Skin contact Causes skin irritation. Components of the product may be absorbed into the body through the skin.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Unknown acute toxicity Not Applicable.

LD50 Oral > 2000 mg/kg (rat) Calculated

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Poly[oxy(methyl-1,2-ethanediyl)], alfa-methyl-omega-hydroxy-	= 48700 µL/kg (Rat)	> 20 mL/kg (Rabbit)	No data available
(2-methoxymethylethoxy)propanol	= 5230 mg/kg (Rat)	= 9500 mg/kg (Rabbit)	No data available
Tetradecanol	No data available	No data available	No data available
Dodecan-1-ol	No data available	No data available	No data available

Sensitisation 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	Skin contact. Eye contact.
Routes of entry	Skin absorption.
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified.
Aspiration hazard	Not Applicable.

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
This product is not considered toxic to algae.

Toxicity to fish
This product is not considered toxic to fish.

Toxicity to daphnia and other aquatic invertebrates
This product is not considered toxic to invertebrates.

Component	Toxicity to fish	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates
Poly[oxy(methyl-1,2-ethanediyl)], alfa-methyl-omega-hydroxy-	No information available	No information available	No information available
(2-methoxymethylethoxy)propanol	> 10000 mg/L LC50 Pimephales promelas 96 h	No information available	= 1919 mg/L LC50 Daphnia magna 48 h
Tetradecanol	No information available	No information available	No information available
Dodecan-1-ol	No information available	No information available	No information available

12.2 Persistence and degradability

No product level data available.

12.3 Bioaccumulative potential

No product level data available.

12.4 Mobility in soil

Mobility
Slightly dispersible.

12.5 Results of PBT and vPvB assessment

Not classified as PBT/vPvB by current EU criteria.

12.6 Other adverse effects.

None known.

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 transported/delivered using a registered waste carrier for local recycling or waste disposal.
EWC waste disposal No.	According to the European Waste Catalogue, 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 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 Hazard class	Not regulated
ICAO Hazard class/division	Not regulated

14.4 Packing group

ADR/RID/ADN/ADG Packing Group	Not regulated
IMDG Packing group	Not regulated
ICAO Packing group	Not regulated

14.5 Environmental hazard
No

14.6 Special precautions
Not Applicable

14.7 Transport in bulk according to Annex I/II of MARPOL 73/78 and the IBC Code
Please contact MISDS@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

Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008.

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

International inventories

USA, Toxic Substances Control Act inventory (TSCA)	Complies
European Union - EINECS and ELINCS	Complies
Canada, Domestic Substance List (DSL)	Complies
Philippines (PICCS)	Does not Comply
Inventory - Japan - Existing and New Chemicals list	Does not Comply
China (IECSC)	Complies
Australia (AICS)	Does not Comply
Korea (KECL)	Complies
Inventory - New Zealand - Inventory of Chemicals (NZIoC)	Complies

Contact REACH@miswaco.slb.com for REACH information.

15.2 Chemical Safety Report

No information available

16. Other information

Prepared by	Global Regulatory Compliance - Chemicals (GRC - Chemicals) , Anne Karin (Anka) Fosse
Supercedes date	26/Mar/2012

Revision date	11/Jul/2016
Version	3
The following sections have been revised:	This SDS have been made in a new database and therefore a new layout. There have been changes with regard to classification, Updated according to GHS/CLP.

Text of R phrases mentioned in Section 3
R22 - Harmful if swallowed
R36 - Irritating to eyes
R50 - Very toxic to aquatic organisms

R36/38 - Irritating to eyes and skin

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

H315 - Causes skin irritation
H319 - Causes serious eye irritation

H302 - Harmful if swallowed
H400 - Very toxic to aquatic life

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