

From: [REDACTED]
To: [Onshoregas DLPE](#); [REDACTED]
Cc: [REDACTED]
Subject: TRM: Precautionary Incident Notification – PV14 - Unintended Release of Drilling Muds
Date: Tuesday, 8 September 2026 4:41:48 PM
Attachments: [image001.png](#)
[image002.png](#)
[KLA-SHIELD SYSTEM.pdf](#)
[IMG_4607.jpeg](#)
[0653-404-MAP PV14 drone imagery 20260904 \(002\).pdf](#)

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Good afternoon DLPE,

Central Petroleum Limited (Central) is providing this precautionary notification regarding an unintended release of drilling fluid associated with drilling activities at the PV14 lease within the Palm Valley Gas Field.

Based on the preliminary assessment, Central considers the incident is most appropriately classified as a recordable incident under the Petroleum (Environment) Regulations 2016, as outlined below. The attached documents include the following for additional context:

- The released mud SDS
- A photo of the impacted area
- An aerial of the PV14 lease showing where the mud has pooled.

Incident description

During drilling operations, drilling fluid was being sprayed toward the steel-lined flare pit as a means of cooling the flare pit. It has subsequently been identified that the spray arrangement did not direct all the fluid into the lined flare pit, resulting in some fluid being deposited on the ground adjacent to the flare pit which has then migrated through the lease and onto an area north of the well pad.

The fluid subsequently migrated beyond the immediate operational area and well lease boundary. The discharge was identified on the morning of 8 September 2026, at which point the spraying activity was immediately ceased.

The volume released is currently estimated to be approximately 15 bbl (~2.4 m³). Based on information presently available, the fluid comprised water and approximately 30–50% KLA-SHIELD system. Central is continuing to verify the composition and quantity as part of the incident investigation.

Preliminary environmental assessment

The released fluid has migrated to the natural ground and vegetation adjacent to the operational

area. The affected area is being assessed to establish the full extent of the release and appropriate containment and remediation measures. In addition, potential downstream migration pathways are being considered as part of the ongoing environmental assessment and response.

At this stage, no material environmental harm has been identified. The KLA-SHIELD SYSTEM SDS identifies the product as not classified for environmental, health or physical hazards and as a non-hazardous substance/non-dangerous good.

A representative sample of the released fluid has been collected and submitted for laboratory analysis. Results are currently pending. These results will be considered together with the extent of the release, receiving environment and potential downstream pathways in confirming the final incident classification.

Initial response actions

Central has:

- ceased the spraying activity immediately following identification of the release;
- prevented further discharge through the spray arrangement;
- commenced assessment and delineation of the affected area;
- collected a representative sample of the released fluid for laboratory analysis;
- commenced assessment of potential drainage pathways and downstream receptors; and
- commenced appropriate containment, recovery and remediation measures.

Central's preliminary assessment is that the incident meets the criteria for a recordable incident, principally because the activity and resulting environmental impact/risk were not specified or assessed within the current EMP. Based on the information currently available, including the hazard classification provided in the KLA-SHIELD SDS and the absence of identified material environmental harm, Central does not consider that the incident has caused or has the potential to cause material or significant environmental harm. However, Central recognises that the environmental assessment is not yet complete. Central is therefore providing this notification to DLPE on a precautionary basis, out of an abundance of caution and to be open and transparent.

Central will continue to investigate the incident as additional information becomes available. DLPE will be advised promptly should the investigation identify information that changes Central's preliminary assessment of the incident.

Please contact me if you require any additional information at this stage.

Kind regards,



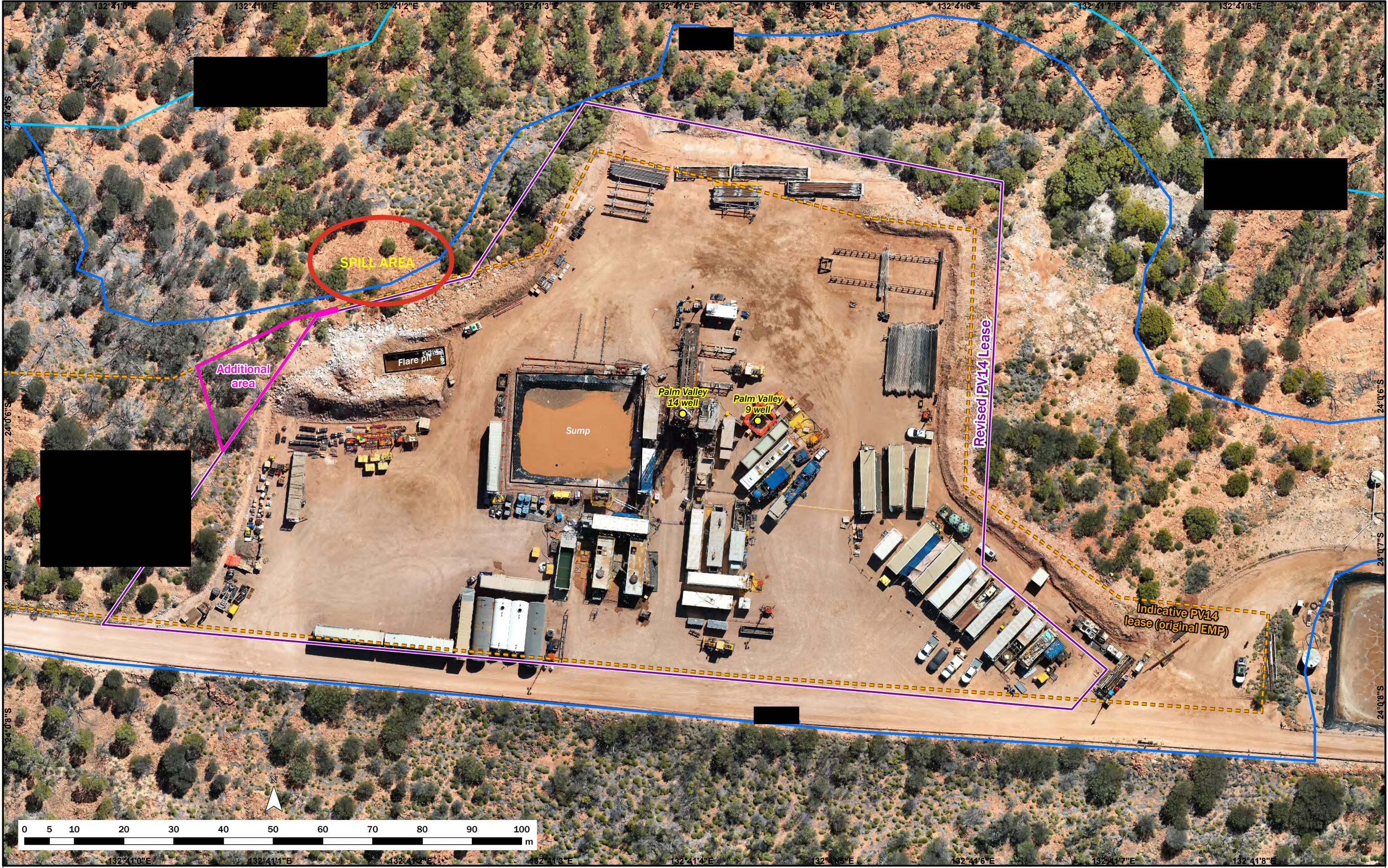
Central Petroleum Limited (ABN 72 083 254 308)

Level 7, 369 Ann Street, Brisbane Qld 4000

GPO Box 292, Brisbane, QLD 4001



Website: www.centralpetroleum.com.au



ID: 0653-404
Rev:
Date: 4/09/2026
Map Scale is 1:695 when printed at A4
Coordinate System: GDA 1994 MGA Zone 53

Palm Valley 14 - drone imagery

Additional PV14 lease area	Indicative well lease area (original EMP)
Revised PV14 lease	Well location

Level 7, 369 Ann St Brisbane QLD 4000
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W centralpetroleum.com.au

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Safety Data Sheet

SDS no. PID16312

KLA-SHIELD* SYSTEM

Revision date 09-Apr-2024

Supersedes Date: 21-Jan-2019

Version 6

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

1.1 Product identifier

Product name KLA-SHIELD* SYSTEM
Product code PID16312

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

Recommended Use Water based system.

Uses advised against Consumer use

1.3 Details of the supplier of the safety data sheet

Supplier

Schlumberger Australia Pty Ltd
ABN: 67 009 214 162
Level 5
10 Telethon Avenue
Perth
WA 6000

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 001 281 561 1600

2. Hazards Identification

2.1 Classification of the substance or mixture

GHS Classification

Health hazards Not classified

Environmental hazards Not classified

Physical Hazards Not classified

2.2 Label elements

Signal word

None

Hazard Statements

This product is not classified as hazardous therefore no (H) hazard statements assigned.

**Precautionary statements**

This product is not classified as hazardous therefore has no (P) precautionary statements assigned.

—

Contains

Barite

Crystalline silica (impurity)

Reaction products of propane-1,2-diol, propoxylated by amination of the terminal hydroxyl groups

Hexanedinitrile, hydrogenated, high-boiling fraction

2.3 Other hazards

Not classified as PBT/vPvB by current EU criteria

Australian statement of hazardous/dangerous nature

Classified as Non-Hazardous according to the criteria of NOHSC.

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

3. Composition/information on Ingredients**3.1 Substances**

Not applicable

3.2 Mixtures

Chemical Name	EC No	CAS No	Weight-%
Barite	236-664-5	13462-86-7	10-30
Crystalline silica (impurity)	238-878-4	14808-60-7	1-3
Reaction products of propane-1,2-diol, propoxylated by amination of the terminal hydroxyl groups	-	9046-10-0	<1
Hexanedinitrile, hydrogenated, high-boiling fraction	270-153-8	68411-90-5	<1

Comments

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

This product contains a small quantity of quartz, crystalline silica. Prolonged and repeated exposure to concentrations of crystalline silica exceeding the workplace exposure limit (WEL) may lead to chronic lung disease such as silicosis. Because this product is a liquid, under normal and recommended use, exposure to Respirable Crystalline Silica will not apply.

Drilling fluid is a highly complex and variable blend of several proprietary products. Each drilling fluid is designed to meet the drilling requirements of a specific well. During the drilling process the composition and physical properties of the drilling fluid are constantly changing; therefore, a complete disclosure of a particular fluid's composition is impractical.

4. First Aid Measures**4.1 First aid measures****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 while removing all contaminated clothes and shoes. Seek medical attention if irritation occurs.

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**

Use extinguishing media appropriate for surrounding material.

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

Fire or high temperatures create: Carbon oxides (COx).

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. Persons susceptible to allergic reactions should not handle this product.

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.

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

Storage class Chemical storage.

Packaging materials Use specially constructed containers only.

8. Exposure Controls/Personal Protection

8.1 Control parameters

Exposure limits Because this product is a liquid, the dust-related Workplace Exposure Limits for the components do not apply.



Component Information

Chemical Name	Arabic	Australia	Egypt
Barite	Not determined	Not determined	Not determined
Crystalline silica (impurity)	0.1 mg/m ³ TWA	0.05mg/m ³ TWArespirable dust	Not determined
Reaction products of propane-1,2-diol, propoxylated by amination of the terminal hydroxyl groups	Not determined	Not determined	Not determined
Hexanedinitrile, hydrogenated, high-boiling fraction	Not determined	Not determined	Not determined
Chemical Name	India	Indonesian	Japan
Barite	Not determined	Not determined	Not determined
Crystalline silica (impurity)	Not determined	0.025 mg/m ³ TWA	0.03 mg/m ³ OEL
Reaction products of propane-1,2-diol, propoxylated by amination of the terminal hydroxyl groups	Not determined	Not determined	Not determined
Hexanedinitrile, hydrogenated, high-boiling fraction	Not determined	Not determined	Not determined
Chemical Name	Kazakhstan	Kuwait	New Zealand
Barite	6 mg/m ³ MAC	Not determined	Not determined
Crystalline silica (impurity)	1 mg/m ³ MAC	0.1 mg/m ³ TWA	0.05 mg/m ³ TWA Confirmed carcinogen
Reaction products of propane-1,2-diol, propoxylated by amination of the terminal hydroxyl groups	Not determined	Not determined	Not determined
Hexanedinitrile, hydrogenated, high-boiling fraction	Not determined	Not determined	Not determined
Chemical Name	Malaysia	Philippines	Russia
Barite	Not determined	Not determined	6 mg/m ³ TWA Fibrogenic substance 0248
Crystalline silica (impurity)	0.1 mg/m ³ TWA	Not determined	1 mg/m ³ TWA 3 mg/m ³ MAC Fibrogenic substance glass;in the form of disintegration aerosol;limit is for total mass of aerosols 1153 Fibrogenic substance containing >70% Silicon dioxide in dust;limit is for total mass of aerosols 1154
Reaction products of propane-1,2-diol, propoxylated by amination of the terminal hydroxyl groups	Not determined	Not determined	Not determined
Hexanedinitrile, hydrogenated, high-boiling fraction	Not determined	Not determined	Not determined
Chemical Name	Thailand	Vietnam	Turkey
Barite	Not determined	Not determined	Not determined
Crystalline silica (impurity)	0.025 mg/m ³ TWA	Not determined	Not determined
Reaction products of propane-1,2-diol, propoxylated by amination of the terminal hydroxyl groups	Not determined	Not determined	Not determined
Hexanedinitrile, hydrogenated, high-boiling fraction	Not determined	Not determined	Not determined

Notes

No biological limit allocated

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 Mechanical ventilation or local exhaust ventilation is required.

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: Neoprene Nitrile Butyl
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 combination filter for vapour/particulate (EN 141) Type A/P2 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	Viscous
Color	Light brown
Odor	Amine

Property	Values	Remarks
pH	10-11	Conc.solution
pH @ dilution	No information available	
Melting / freezing point	No information available	
Boiling point/range	> 100 °C / > 212 °F	
Flash point	> 100 °C / > 212 °F	



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	17 - 23.8 mbar	@ 20 °C
Relative Vapor Density	No information available	
Specific gravity	1.1 - 2.0	@ 20 °C
Bulk density	No information available	
Water solubility	Insoluble in water	
Solubility in other solvents	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Partition Coefficient (n-octanol/water)	No information available	
Density and/or Relative Density	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	
9.2 Other information		
Pour point	No information available	
Molecular weight	No information available	
VOC content(%)	No information available	

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

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

Product information

This product contains a small quantity of quartz, crystalline silica. Prolonged and repeated exposure to concentrations of crystalline silica exceeding the workplace exposure limit (WEL) may lead to chronic lung disease such as silicosis. Because this product is a liquid, under normal and recommended use, exposure to Respirable Crystalline Silica will not apply.

Inhalation

Vapors may irritate throat and respiratory system.

Eye contact

May cause slight irritation.

Skin contact

Prolonged contact may cause redness and irritation. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Ingestion

Ingestion may cause stomach discomfort.

Unknown acute toxicity

Not Applicable.

Toxicology data for the components

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Barite	> 15000 mg/kg (Rat)	No data available	No data available
Crystalline silica (impurity)	No data available	No data available	No data available
Reaction products of propane-1,2-diol, propoxylated by amination of the terminal hydroxyl groups	2885 mg/kg (Rat) OECD 401	2979 mg/kg (Rabbit) OECD 402	> 0.74 mg/l (Rat) OECD 403
Hexanedinitrile, hydrogenated, high-boiling fraction	= 1500 mg/kg (Rat)	> 200 mg/kg (Rabbit)	No data available

Sensitization

Repeated or prolonged contact may cause allergic reactions in very susceptible persons.

Mutagenic effects

This product does not contain any known or suspected mutagens.

Carcinogenicity

Crystalline silica dust is listed by IARC in Group 1 as known to cause lung cancer in humans, if inhaled.

Reproductive toxicity

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

Routes of Exposure

Inhalation. Skin contact.

Routes of entry

Inhalation. Skin contact.

Specific target organ toxicity - Single exposure

Not classified

Specific target organ toxicity - Repeated exposure

Not classified.

Aspiration hazard

Not Applicable.

11.2 Information on other hazards

**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.

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

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
Barite	No information available	No information available	No information available
Crystalline silica (impurity)	LC50 Danio rerio (zebra fish) : > 10000 mg/l 96h LC50 Danio rerio (peixe zebra) : > 10000 mg/l 96h	EC50: > 1000 mg/l 72h	LC50 Daphnia magna (Water flea): > 10000 mg/l 24h LC50 Daphnia magna (pulga Aquatica): > 10000 mg/l 24h
Reaction products of propane-1,2-diol, propoxylated by amination of the terminal hydroxyl groups	LC50 >700 mg/l 96h	EC50 >700 mg/l 72h	EC50 >1001 mg/l 48h
Hexanedinitrile, hydrogenated, high-boiling fraction	No information available	No information available	No information available

12.2 Persistence and degradability

See component information below.

Chemical Name	Persistence and degradability
Barite	Inorganic compound
Crystalline silica (impurity)	Inorganic compound
Reaction products of propane-1,2-diol, propoxylated by amination of the terminal hydroxyl groups	Not biodegradable
Hexanedinitrile, hydrogenated, high-boiling fraction	Readily biodegradable

12.3 Bioaccumulative potential

See component information below.

Chemical Name	Bioaccumulation
Barite	Product/Substance is inorganic
Crystalline silica (impurity)	Product/Substance is inorganic
Reaction products of propane-1,2-diol, propoxylated by amination of the terminal hydroxyl groups	Does not bioaccumulate



12.4 Mobility

Mobility

Insoluble in water. See component information below.

Chemical Name	Mobility
Barite	Insoluble in water
Crystalline silica (impurity)	Insoluble in water

Mobility in soil

See component information below.

Chemical Name	Mobility in soil
Barite	Not expected to adsorb on soil
Crystalline silica (impurity)	Not expected to adsorb on soil

12.5 Other adverse effects

None known.

12.6 Other 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 for local recycling, recovery or waste disposal.

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

Water-based muds containing mixtures of products listed in Chapters 17 and/or 18 of the IBC Code and the latest MEPC.2/Circular and is permitted to be carried under Annex II of MARPOL and resolution A.673 (16) Offshore Supply Vessel Code.

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:

The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Australian Standard for the Uniform Scheduling of Drugs and Poisons

No poisons schedule number allocated

Safe Work Australia.

Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

Not classified as dangerous goods in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG)

International inventories

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

16. Other Information

Prepared by	Global Regulatory Compliance - Chemicals (GRC - Chemicals) , Anne Karin (Anka) Fosse
Supersedes Date:	21-Jan-2019
Revision date	09-Apr-2024
Version	6
This SDS has been revised in the	All sections No changes with regard to classification have been made.



following section(s)

Key literature references and sources for data

www.ChemADVISOR.com

Supplier

National Chemical Inventories

National regulatory information

National occupational exposure limits

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