

# 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product Identifier PAL TEMP

Other Means of Identification Not applicable.

**Recommended Use of Chemical and** 

**Restrictions on Use** 

Fluid Loss Reducer.

Supplier Details Oren Hydrocarbon Middle East Fzco.

P.O. Box 18159 Jebel Ali Free Zone (South)

Dubai, UAE

Tel: +971 4 8860497 Fax: +971 4 8860498

Emergency Phone Number Tel: +971 4 8860497

#### 2. HAZARDS IDENTIFICATION

Classification of the Substance /

Mixture

This material is not considered hazardous under the Globally Harmonized System of

Classification and Labelling of Chemicals (GHS).

Label Elements Including

Precautionary Statements

Hazard Pictogram(s): Non-Applicable

Signal Word: Non-Applicable

**Hazard statement(s):** None- Applicable **Precautionary statements:** None - Applicable

Hazards Not Otherwise Classified: None known.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / mixture: Substance.

Component	CAS No.	Weight (%)
LINGNOSULFONATE POLYMER		60 – 100%
QUARTZ, CRYSTALLINE, SILICA	14808-60-7	0 – 3%

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

Revision Date: 05 September 2023 Revision No.: 2.01 Page 1 of 8



### 4. FIRST AID MEASURES

First Aid Measures Inhalation: Move victim away from source of exposure and into fresh air. Get medical

attention if any discomfort continues.

Skin contact: Remove contaminated clothing. Wash skin through with soap and water.

Seek immediate medical attention if any discomfort continues.

**Eye contact:** Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort

continues.

Ingestion: First aid is not required. Rinse mouth thoroughly. Drink plenty of water. Get

medical attention if any discomfort continues.

Most Important Symptoms / Effects, Acute and Delayed

Acute effects: No specific data.

Delayed effects: No specific data.

Indication of Immediate Medical Attention and Special Treatment Needed **Note to physician:** Treat symptomatically.

**Specific treatments:** Specific treatment must be based on judgement of the physician in

response to reactions of the patient.

Protection of first aiders: No action shall be taken involving any personal risk without

suitable training.

Not applicable.

#### 5. FIREFIGHTING MEASURES

Extinguishing Media Suitable extinguishing media: All standard firefighting media.

**Extinguishing media which must not be used for safety reasons:** No specific data.

Special Hazards Arising from the

Substance or Mixture

Special Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or

equivalent) and full protective gear.

## **6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions, Protective Equipment, and Emergency Procedures Use appropriate protective equipment. Avoid creating and breathing dust. See Section 8 of this safety data sheet for additional information.

**Environmental precautions:** Prevent from entering sewers, waterways, or low areas.

Methods and Materials for Containment and Cleaning Up Avoid the generation of dusts during clean-up. Remove all sources of ignition; non-sparking tools should be used. Collect dust using a vacuum cleaner equipped with high efficiency particulate arrestee (HEPA) filter. Stop the flow of material, if this is without risk. Do not allow to enter sewer or subsurface waters.

## 7. HANDLING AND STORAGE

Revision Date: 05 September 2023 Revision No.: 2.01 Page 2 of 8



**Precautions for Safe Handling** 

**Protective measures**: Do not get in eyes, on skin or on clothing. Use only in a well-ventilated area.

Advice on general occupational hygiene: Wash hands after handling and before eating. Avoid prolonged exposure. All handling to take place in well-ventilated area. Shower after work. Remove and wash contaminated clothing promptly. See also Section 8 for additional information on hygiene measures.

Conditions for Safe Storage, Including Any Incompatibilities

Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks, and flames. Store away from incompatibles.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control Parameters** 

Occupational exposure limits:

Product / ingredient Name	CAS Number	OSHA PEL-TWA	ACGIH TLV-TWA
Silica, crystalline,	14808-60-7	10 mg/m <sup>3</sup>	TWA: 0.025 mg/m <sup>3</sup>
quartz		%SiO <sub>2</sub> + 2	

**Appropriate Engineering Controls** 

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and risk-elimination area.

Individual Protection Measures, Such as Personal Protective Equipment If engineering controls and work practices cannot prevent excessive exposures, the selection and proper use of personal protective equipment should be determined by an industrial hygienist or other qualified professional based on the specific application of this product.

**Hygiene measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and / or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye / face protection:** Wear safety glasses or goggles to protect against exposure. **Hand protection:** Normal work gloves.

**Body protection:** Wear clothing appropriate for the work environment. Dusty clothing should be laundered before reuse. Use precautionary measures to avoid creating dust when removing or laundering clothing.

**Other skin protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved. **Respiratory protection:** Wear a NIOSH certified respirator when using this product. All respiratory protection equipment should be used within a comprehensive respiratory protection program that meets the requirements of 29 CFR 1910.134 (U.S. OSHA Respiratory Protection Standard) or local equivalent.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Dark brown, blackish powder.

Odor Slight.

Revision Date: 05 September 2023 Revision No.: 2.01 Page 3 of 8



Odor Threshold Not available.

**pH** 8.8 – 9.2.

Melting Point / Freezing Point Not available.

**Initial Boiling Point and Boiling Range**Not available.

Flash Point Not available.

**Evaporation Rate** Not available.

Flammability (solid, gas) Not available.

**Upper / Lower Flammability or Explosive Limits** Not available.

Vapor Pressure Not available.

Vapor Density Not available.

Specific Gravity0.98 - 1.2SolubilityNot available.

Partial coefficient (n-octanol / water) Not available.

**Auto-ignition Temperature** Not available.

**Decomposition Temperature** Not available.

**Viscosity** Not available.

# **10. STABILITY AND REACTIVITY**

**Reactivity** Not expected to be reactive.

**Chemical Stability** Stable under normal conditions.

**Possibility of Hazardous Reactions** Will not occur.

Conditions to Avoid None known.

**Incompatible Materials** Strong oxidizing agents. Strong acids.

**Hazardous Decomposition Products** Asphyxiating gases/vapors/fumes of: Ammonia or amines. Oxides of Carbon. Sulphur.

# 11. TOXICOLOGICAL INFORMATION

Revision Date: 05 September 2023 Revision No.: 2.01 Page 4 of 8



Product / ingredient Name	CAS Number	Oral LD <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation
Ivallie				LD <sub>50</sub>
Silica, crystalline,	14808-60-7	500 mg/kg	No data	No data
quartz		(rat)	available	available
		>15000		
		mg/kg		
		(human)		

### **Irritation / Corrosion:**

Product / ingredient name	CAS Number	Test	Result
Silica, crystalline,	14808-60-7	Skin	Non-irritating
quartz		Eye	Mechanical irritation possible

Sensitization: No information available

Mutagenicity:

Product / ingredient name	CAS Number	Result
Silica, crystalline, quartz	14808-60-7	Not regarded as mutagenic

Carcinogenicity: No information available Reproductive toxicity: No information available. Teratogenicity: No information available. Specific target organ toxicity (single exposure):

Product / ingredient	CAS	Result	
name	Number		
Silica, crystalline,	14808-60-7	No significant toxicity observed in animal	
quartz		studies at concentration requiring	
		classification	

Specific target organ toxicity (repeated exposure):

Product / ingredient name	CAS Number	Result
Silica, crystalline, quartz	14808-60-7	Causes damage to organs (lungs) through prolonged or repeated exposure if inhaled

Aspiration hazard: Not applicable.

Information on Likely Routes of Exposure

Routes of entry anticipated: Oral; dermal, inhalation.

Inhalation: No specific data. Skin contact: No specific data. Eye contact: No specific data. Ingestion: No specific data.

Revision Date: 05 September 2023 Revision No.: 2.01 Page 5 of 8



Symptoms Related to the Physical, **Chemical and Toxicological** Characteristics

Inhalation: Breathing silica dust may cause irritation of the nose, throat, and respiratory passages. Breathing silica dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Inhalation of dust may also have serious chronic health effects.

**Skin contact:** May cause mechanical skin irritation. **Eye contact:** May cause mechanical irritation to eye.

Ingestion: None known.

Delayed and Immediate Effects, and also Chronic Effects From Short and

See Information on Toxicological Effects in this section of the safety data sheet.

**Long-term Exposure** 

**Numerical Measures of Toxicity** 

Acute toxicity estimate: Not available.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity** 

Product /	CAS	Algae	Fish	Invertebrates
ingredient name	Number			
Silica, crystalline,	14808-60-7	-	LL₀ (96h)	LL <sub>50</sub> (24h)
quartz			10,000 mg/l	>10,000 mg/l
			(Danio rerio)	(Daphnia
			(similar	magna)
			substance)	(similar
				substance)

**Persistence and Degradability** 

The methods for determining biodegradability are not applicable to inorganic

substances.

**Bioaccumulative Potential** 

No information available.

**Mobility in Soil** 

No information available.

**Other Adverse Effects** 

No information available.

### 13. DISPOSAL CONSIDERATIONS

**Description of Waste Residues and** Information on Their Safe Handling and Methods of Disposal, Including the Disposal of Any Contaminated **Packaging** 

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional or local authority requirements. Dispose of in an authorized landfill in accordance with local regulation. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues.

#### 14. TRANSPORT INFORMATION

Revision Date: 05 September 2023 Revision No.: 2.01 Page 6 of 8



**UN Number** Not regulated.

**UN Proper Shipping Name** Not regulated.

Transport classes Not regulated.

Packing Group Not regulated.

**Environmental Hazards** Not applicable.

Transport in Bulk (according to Annex II of MARPOL 73/78 and the

**IBC Code** 

Not applicable.

**Special Precautions For User** Transport within user's premises: Always transport in closed containers that are upright

and secure. Ensure that persons transporting the product know what to do in the event

of an accident or spillage.

### 15. REGULATORY INFORMATION

International Inventories Australia (AICS): Not determined.

Canada (DSL): All components are listed or exempted.

China (IECSC):

European Union (EINECS / ELINCS):

Japan (ENCS):

Not determined.

United States (TSCA): All components are listed or exempted.

## **16. OTHER INFORMATION**

Prepared By Product Safety Committee

Revision Number 2.01

**Revision Date** 05 September 2023

**Updates from Previous Revision** Updated all section 2

#### Disclaimer

No representations or warranties, either express or implied, of merchantability, fitness for a specific purpose, and/or that the products to which the information referred to in this document may be used without infringing the intellectual property rights of others, or of any other nature, are made with respect to information provided in this document, or the products referred to

Revision Date: 05 September 2023 Revision No.: 2.01 Page 7 of 8



herein. In no case shall the information be considered a part of our terms and conditions of sale of Oren Hydrocarbons Middle East FZCO products. Use of the information provided in this document is at the user's risk.

### **Acronyms and Abbreviations**

ACGIH American Conference of Governmental Industrial Hygienists

AICS Australian Inventory of Chemical Substances

CAS Chemical Abstract Services (division of the American Chemical Society)

CDR Chemical Data Reporting

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

CFR Code of Federal Regulations
DSL Domestic Substances List

EC<sub>50</sub> Half Maximal Effective Concentration

EINECS / ELINCS European Inventory of Existing Chemical Substances / European List of Notified Chemical Substances

ENCS Existing and New Chemical Substances

IBC International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

IECSC Inventory of Existing Chemical Substances Produced or Imported in China

KECL Korean Existing Chemical List

MARPOL 73/78 International Convention for the Prevention of Pollution from Ships

mg/kg Milligram per kilogram mg/l Milligram per liter

mg/m<sup>3</sup> Milligram per cubic meter

MSHA Mine Safety and Health Administration
NECI National Existing Chemical Inventory

NIOSH National Institute for Occupational Safety and Health

NZIOC New Zealand Inventory of Chemicals

OSHA Occupational Safety and Health Administration, U.S. Department of Labor

PEL Permissible Exposure Limit

PICCS Philippines Inventory of Chemicals and Chemical Substances

ppm Part per million

SARA Superfund Amendments and Reauthorization Act

TLV Threshold Limit Value
TSCA Toxic Substances Control Act
TWA Time-weighted Average

**END OF SAFETY DATA SHEET** 

Revision Date: 05 September 2023 Revision No.: 2.01 Page 8 of 8