

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

Product Identifier PAL LIGNO CF

Other Means of Identification None.

**Recommended Use of Chemical and** 

**Restrictions on Use** 

Oil well drilling fluid additive. Dispersant

Supplier Details Oren Hydrocarbon Middle East Fzco.

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#### 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): None applicable

Signal Word: None applicable

**Hazard statement(s):** None appliable **Precautionary statements:** None appliable

Hazards Not Otherwise Classified: None known.

# 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / mixture: Mixture

Component	CAS No.	Weight (%)
Chrome Free Lignosulphonate	Various	100

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

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### 4. FIRST AID MEASURES

**First Aid Measures** 

Inhalation: Move the exposed person to fresh air at once. If respiratory problems, artifical respiration/oxygen. Get medical attention if any discomform continues. Skin contact: Immediately remove contaminated clothing. Wash skin thoroughly with soap and water. Get 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

Ingestion: Drink a couple of glasss water or milk. Do not induce vomiting unless

directed to do so by a physician. Never give anything by mouth to an unconscious person. Get medical attention.

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.

#### **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** 

Oxides of Carbon, Sulfur and Chromium fumes.

**Special Protective Equipment and Precautions for Firefighters** 

Do not enter fire area without proper personal protective equipment including NIOSH/MSHA approved self-contained breathing apparatus. Evacuate area and fight fire from a safe distance. Water spray may be used to keep fire-exposed containers cool. Keep water run off out of sewers and waterways.

# **6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment, and Emergency Procedures** 

Use appropriate protective equipment. See Section 8 of this safety data sheet for additional information.

Environmental precautions: Do not contaminate drainage or waterways. Waste must be disposed of in accordance with federal, state and local laws. Repackage or recycle if possible.

Methods and Materials for **Containment and Cleaning Up**  Avoid generating and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water. Do not contaminate drainage or waterways. Repackage or recycle if possible.

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### 7. HANDLING AND STORAGE

**Precautions for Safe Handling** 

**Protective measures**: Avoid handling causing generation of dust. Wear full protective clothing for prolonged exposure and/or high concentrations. Eye wash emergency shower must be available at the work place. Wash hands often and change clothing when needed. Provide good ventilation. Mechanical ventilation or local exhaust ventilation is required.

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 at moderate temperatures in dry, well ventilated area. Keep in original container. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control Parameters** 

**Occupational exposure limits:** No exposure limits noted for the ingredients.

**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:** Wash promptly with soap and water if skin becomes contaminated. Change work clothing daily if there is any possibility of contamination.

**Eye / face protection:** Wear approved chemical safety goggles where eye exposure is reasonably probable. Use tight fitting goggles if dust is generated.

**Hand protection:** Use suitable protective gloves if risk of skin contact.

**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:** Wear appropriate clothing to prevent repeated or prolonged skin contact.

**Respiratory protection:** Use at least a NIOSH-approved N95 half-mask disposable or reusable particulate respirator. In work environments containing oil mist/aerosol use at least a NIOSH-approved P95 half mask disposable or reuseable particulate respirator. For exposures exceeding 10x PEL use a NIOSH-approved N100 particulate respirator.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Brown powder.

Odor Mild.

Odor Threshold Not available.

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**pH** 5.0 – 7.0.

Melting Point / Freezing Point > 125 °C.

**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 Gravity Not available.

**Solubility** Soluble in water.

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 Avoid heat

**Incompatible Materials** Strong oxidizing substances.

**Hazardous Decomposition Products** None known.

# 11. TOXICOLOGICAL INFORMATION

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Irritation / Corrosion: No information available

Sensitization: No information available

Mutagenicity: No information available

Carcinogenicity: No information available Reproductive toxicity: No information available. Teratogenicity: No information available.

Specific target organ toxicity (single exposure): No information available Specific target organ toxicity (repeated exposure): No information available

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.

Symptoms Related to the Physical,

**Chemical and Toxicological** 

**Characteristics** 

**Inhalation:** May be irritating to the respiratory tract if inhaled.

**Skin contact:** May be irritating to the skin. **Eye contact:** May be irritating to the eyes.

**Ingestion:** May cause gastric distress, nausea and vomiting if ingested.

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

also Chilothic Effects From

Long-term Exposure

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

Numerical Measures of Toxicity Acute toxicity estimate: Not available.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity** No information available.

Persistence and Degradability No information available.

**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

This product does not meet the criteria of a hazardous waste if discarded in its purchased form. Under U.S. Environmental Protection Agency (EPA) Resource

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and Methods of Disposal, Including the Disposal of Any Contaminated Packaging Conservation Recovery Act (RCRA), and it is the responsibility of the user to determine at the time of disposal, whether the product meets RCRA criteria for the hazardous waste. This is because product uses, transformations, mixtures, processes, etc., may render the resulting materials hazardous. Empty containers retain residues. Should this product become a waste, dispose in accordance with federal, state, and local regulations

### 14. TRANSPORT INFORMATION

**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.

#### 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 2.00

**Revision Date** 04 August 2022

**Updates from Previous Revision** Updated all section to GHS format

Disclaimer

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### **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/m³ 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

TWA Time-weighted Average

**END OF SAFETY DATA SHEET** 

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