

SAFETY DATA SHEET

**Section 1: IDENTIFICATION**

<b>Product Identifier:</b>	OSR Series
<b>Other Means of Identification:</b>	Petroleum Hydrocarbon Resin
<b>Product Family:</b>	Shale Inhibitor
<b>Recommended Use:</b>	Drilling Fluid Additive
<b>Manufacturer/Supplier:</b>	Bri-Chem Supply Ltd. 27075 Acheson Road Acheson, AB T7X 6B1
<b>Phone Number:</b>	780-962-9490
<b>Emergency Phone:</b>	CHEMTREC 1-800-424-9300, 24/7

**Section 2: HAZARD(S) IDENTIFICATION**

<b>Classification:</b>	Not classified under any hazard class.
<b>Label Elements:</b>	Not applicable
<b>Other Hazards:</b>	May form flammable dust clouds in air.

**Section 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Contains no hazardous ingredients.

**Section 4: FIRST-AID MEASURES**

**First-Aid Measures**

<b>Inhalation:</b>	Move to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. If irritation develops or persists, seek medical attention.
<b>Skin Contact:</b>	Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. If irritation develops or persists, seek medical attention.
<b>Eye Contact:</b>	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Do not allow victim to rub eyes. If eye irritation persists, seek medical attention.

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**Ingestion:** Rinse mouth with water. Never give anything by mouth to an unconscious or convulsing victim. DO NOT INDUCE VOMITING. If breathing is difficult, trained personnel should administer emergency oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration (AR). If irritation or discomfort occurs, obtain medical advice.

**Most Important Symptoms and Effects, Acute and Delayed**

**If Inhaled:** Can irritate the nose and throat.

**Section 5: FIRE-FIGHTING MEASURES**

**Extinguishing Media**

**Suitable Extinguishing Media:** Foam, water spray, dry chemical powder, carbon dioxide.

**Unsuitable Extinguishing Media:** DO NOT use water or water-based extinguishing agents.

**Special Hazards Arising from the Product:** Does not burn. May form flammable dust clouds in air.

**Products of Combustion:** May include and are not limited to: oxides of carbon.

**Special Protective Equipment and Precautions for Fire-Fighters (PPE)**

**Special Protective Equipment and Precautions for Fire-Fighters:** Firefighters should wear a full-body encapsulating chemical protective suit with positive-pressure self-contained breathing apparatus (SCBA). Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures:** Use the personal protective equipment recommended in Section 8 of this safety data sheet.

**Environmental Precautions:** It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

**Methods and Materials for Containment and Cleaning Up:** Avoid generating dust. Collect using shovel/scoop or approved-HEPA vacuum and place in suitable container for disposal. After cleaning, flush away traces with water; collect washing for disposal.

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## Section 7: HANDLING AND STORAGE

<b>Precautions for Safe Handling:</b>	Avoid generating dusts. Do not breathe dust. Avoid contact with skin and eyes. Good housekeeping is important to prevent accumulation of dust. Handle in accordance with good industrial hygiene and safety practice. It is good practice to: avoid breathing product, avoid eye and skin contact and wash hands thoroughly after handling. DO NOT eat, drink, smoke or store food in work areas. Remove contaminated clothing and protective equipment before entering eating areas or when leaving work.
<b>Conditions for Safe Storage:</b>	Store in a cool, dry, well-ventilated place. Do not store in unlabeled containers. Avoid dust formation. Take precautionary measures against static discharges. Store in tightly closed containers. Water contact in closed or restricted storage vessels may cause heat, swelling and possible rupture of storage vessel.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines Not Available

**Appropriate Engineering Controls:** General ventilation is usually adequate. Provide emergency eyewash and safety shower if contact or splash hazard exists.

### Individual Protection Measures

**Eye/Face Protection:** Do not get in eyes. Safety glasses with side shields are recommended to prevent eye contact.

**Skin Protection:** Skin contact should be minimized through use of suitable long-sleeved clothing (i.e. shirt and pants, coveralls). Chemically resistant gloves should be used.

**Respiratory Protection:** Use a NIOSH-approved dust mask when required.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

**Appearance:** Amber flakes

**Odour:** Aromatic

**pH:** Not available

**Melting Point/Freezing Point:** Not available (melting); Not available (freezing)

**Initial Boiling Point/Range:** Not applicable

**Flash Point:** > 171 °C (closed cup)

**Evaporation Rate:** < 1

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<b>Upper/Lower Flammability or Explosive Limit:</b>	Not available (upper); Not available (lower)
<b>Vapour Pressure:</b>	Not available
<b>Vapour Density (Air=1):</b>	Not available
<b>Relative Density (Water=1):</b>	~ 1.09 at 25°C
<b>Solubility:</b>	Insoluble in water
<b>Decomposition Temperature:</b>	Not available
<b>Other Information</b>	
<b>Physical State:</b>	Solid
<b>Molecular Formula:</b>	Not available
<b>Molecular Weight:</b>	Not available

**Section 10: STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Normally stable
<b>Possibility of Hazardous Reactions:</b>	None known
<b>Conditions to Avoid:</b>	Dusty conditions
<b>Incompatible Materials:</b>	Strong oxidizing agents (e.g. perchloric acid).
<b>Hazardous Decomposition Products:</b>	Oxides of carbon

**Section 11: TOXICOLOGICAL INFORMATION**

No LD50 or LC50 data available

<b>Likely Routes of Exposure:</b>	Skin contact; eye contact; inhalation; ingestion.
<b>Skin Corrosion/Irritation:</b>	Slightly irritating to the skin. May cause mechanical irritation.
<b>Serious Eye Damage/Irritation:</b>	Slightly irritating to the eyes. May cause mechanical irritation.

**STOT (Specific Target Organ Toxicity) – Single Exposure**

<b>Inhalation:</b>	Can irritate the nose and throat.
<b>Ingestion:</b>	Ingestion is not a typical route of occupational exposure. No known significant effects or critical hazards.

No information was located for: STOT (Specific Target Organ Toxicity) - Repeated Exposure, Respiratory and/or Skin Sensitization, Carcinogenicity, Development of Offspring, Sexual Function and Fertility, Germ Cell Mutagenicity, Interactive Effects

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**Section 12: ECOLOGICAL INFORMATION**

No ecological information or environmental fate data is available.

**Section 13: DISPOSAL CONSIDERATIONS**

**Disposal Method:** Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

**Section 14: TRANSPORT INFORMATION**

Not regulated under Canadian TDG regulations.

**Special Precautions:** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

**Section 15: REGULATORY INFORMATION**

**Safety, Health and Environmental Regulations**

**Canada**

**WHMIS 1988 Classification:** Not a WHMIS controlled product. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):** All ingredients are listed on the DSL or are not required to be listed.

**Section 16: OTHER INFORMATION**

**Disclaimer:**

The information contained herein is based on data available to us and is believed to be true and accurate. However, no guarantee or warranty is provided, expressed or implied, by the company or its subsidiaries regarding accuracy of the information, the hazards connected with the use of the material, or the results to be obtained from the use thereof. Since the use of this product is within the exclusive control of the user, we do not assume any responsibility and expressly disclaim any liability for any use of this product. It is the user's responsibility to determine the conditions of safe use, storage, and disposal of the product. Compliance with all applicable federal, provincial, and local regulations remains the responsibility of the user.

**Prepared by:** Bri-Chem Supply Ltd.

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