**OBM Fluid loss control FC-FR150S**

**Chemical Safety Data Sheet**

**Section 1: Product name**

Product name: OBM Fluid loss control FC-FR150S

**Section 2: Product Composition**

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| Emergency: |
| Health level: 1-Slight | Inflammability: 1-inflammable | Reaction level: 0-None |
| Contact level: 1-Slight | Test Protective equipment: gloves | Storage and transportation level: yellow (general storage and transportation) |
| Potential health impact |
| Ways of harm to human body: |
| Ingestion: Harmful | Skin contact: Toxicity and discomfort are expected when skin contact occurs |
| Eye contact: No relevant information is available, which may cause eye irritation. | Long term exposure: discomfort may occur when entering the body. |
| Impact on living environment: no relevant data. |  |

**Section 3: Composition/information on ingredients**

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| Type | Main components | Content | CAS NO. |
| FC-FR150S | Modified natural polymer | 100% |  |

**Section 4: Emergency measures for poisoning**

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| Breathing: transfer to a place with fresh air, and provide treatment if breathing is difficult. |
| Ingestion: If swallowed in large quantities, do not induce vomiting. Drink water and follow the doctor's advice. Note: If breathing is difficult and aggravated, do not induce vomiting or drink water. |
| Skin contact: wash the contact area with soap and water for at least 15 minutes. If the discomfort persists, follow the doctor's advice.Eye contact: wash with a large amount of flowing water or normal saline for 15 minutes. If the discomfort persists, follow the doctor's advice. |

**Section 5: Firefighting measures**

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| Flammability: combustible |
| Explosive: no explosion hazard |
| Extinguishing medium: carbon dioxide, dry powder extinguishing agent. |
| Special precautions: In case of fire, wear protective clothing or use NIOSH approved pressure protective sheet equipment with self breathing function. |

**Section 6: Accidental release measures**

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| Ventilation treatment of leakage and spillage: use the personal protective tools described in section 8 to sweep and collect in case of spillage, and water can be used to flush the spillage. |
| Neutralization reagent: NoneWaste treatment method: as a non hazardous solid waste, it shall be treated according to relevant national and local rules.Handling, prevention and storage: The warehouse where this product is stored must be ventilated, dry and clean. During storage and transportation, it is not allowed to mix with hazardous substances and shall prevent sunshine and rain. During transportation, there must be covers. |

**Section 7: Handling and storage**

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| Handling and storageStore in a dry, cool, ventilated and sealed environment. Prevent the physical damage of the packaging. Since there is inevitably a small amount of residues in the discarded packaging after the product is used, the used materials, containers and packaging bags are harmful. Please refer to the relevant warnings and preventive measures for the hazards to the product. |
| Respiratory protection: wear NIOSH approved organic filter respirator in case of atomized products |
| Ventilation: no special requirements | Protective gloves: rubber gloves |
| Eye protection: ANSI approved protective glasses for chemical operation shall be used. | Work hygiene: no special requirements |
| Other protective equipment: use ANSI approved method to clean or use large flow water to wash, fully sealed work clothes, and add glue protective clothing if necessary |
| Application safety and health data: no relevant data |

**Section 8: Exposure Control/Personal Protection**

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| Personal protective mask: general protective mask is ok. |
| Ventilation system: local and overall exhaust systems are used to reduce dust content, so as to ensure that the dust concentration in the air of the operation room is within the allowable limit of OSHA. Since local exhaust devices can effectively prevent dust from entering a larger working environment, and prevent pollution dust from escaping from the pollution source at the same time, local exhaust devices are generally preferred. For details, please refer to the recently published *ACGIH Industrial Ventilation Guide.* |
| Special warning: supplying pure oxygen in the air with insufficient oxygen does not protect workers' health |
| Skin protection: gloves, experimental clothing, apron, one-piece work clothes. |
| Eye protection: chemical safety goggles can be used, and water flushing devices and rapid water wetting equipment can be installed in the workplace. |
| Other protection: None |

**Section 9: Physical and Chemical Properties**

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| Appearance: Colorless to yellowish powdery solid | Odor: Mild tar smell |
| Solubility: Partially water-soluble | Density: 1.05～1.25 g/cm3 (Bulk density) |
| pH: N.A | Volatile matter: None |
| Boiling point: N.A | Melting point: N.A |
| Flash point: N.A | Lower explosive limit: no relevant data |
| Upper explosive limit: no relevant data | Vapor density (air=1): no relevant data |

**Section 10: Stability and Reactivity**

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| Stability: stable | Polymerization hazard: None |
| Decomposition hazards: None | Environmental requirements: avoid smoke and fire |
| Incompatibility: no relevant data |

**Section 11: Toxicological information**

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| Under the condition of general occupational exposure and contact, there is no experimental data of LD50 and LC50. |
| LD50－LC50: no relevant data | Contact toxicity: Inhalation: Yes, Skin: Slight; Ingestion: Yes |
| Carcinogenicity explanation: no relevant data | Symptoms of excessive exposure and contact: no relevant data |
| Chronic and acute hazards: ingestion causes discomfort, slight pain to skin, and no chronic toxicity to eyes. |
| Carcinogenicity: NTP: None, IARC: None, OSHA: None |
| Emergency treatment procedure: In case of eye contact, immediately flush with water for at least 15 minutes, and the doctor shall further handle it. In case of skin contact, flush with a large amount of soapy water for at least 15 minutes. If the discomfort is aggravated, seek a doctor for treatment. In case of respiratory poisoning, quickly transfer to a place with fresh air. If necessary, take medication. After ingestion, do not induce vomiting, and drink water. Contact the doctor immediately. Note: If you feel unwell and have difficult breathing or the discomfort gets aggravated, not induce vomiting or drink water. |

**Section 12: Ecological information**

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| Environmental disaster: no relevant data | Environmental toxicity: no relevant data |

**Section 13: Disposal considerations**

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| All materials that cannot be recycled or regenerated shall be treated with appropriate and recommended waste treatment equipment. Due to different product operation, use and pollution methods, the selection of waste treatment methods varies. Regional treatment rules shall be different from national treatment rules to deal with pollution according to local conditions. Containers and waste contents shall be handled according to national and local regulations. |

**Section 14: Transportation requirements**

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| DOT Shipping Code: None | DOT Shipping name: None |
| IMO Shipping code: None | IMO Shipping name: None |
| IATA Shipping Code: None | IATA Shipping name: None |
| US DOT: No relevant information | Canada TDG: No relevant information |
| Domestic transportation: (land transportation) |
| Name of transported goods: High temperature OBM Fluid loss control (drilling fluid) PF-MOFILTER-2 | Hazard level: none |
| UN Hazard Code No.: None | Package Category: ordinary package |
| Product packaging unit: 25KG/bag |  |
| International transportation: (sea transportation) |
| Name of transported goods: High temperature OBM Fluid loss control (drilling fluid) PF-MOFILTER-2 | Hazard level: none |
| UN Hazard Code No.: None | Package Category: ordinary package |
| Product packaging unit: 25KG/bag |  |

**Section 15: Regulatory Information**

Regulations on Safety Management of Hazardous Chemicals

Detailed Rules for the Implementation of the Regulations on the Safety Management of Hazardous Chemicals

Classification and Marking of Common Hazardous Chemicals (GB13690-2009)

General Rules for Storage of Common Hazardous Chemicals (GB15603-1995)

General technical requirements for transport packaging of Hazardous goods (GB12463-1990)

**Section 16: Other Information**

Issue date: 2020/11/01.

Revision date: 2020/11/01.

Recommended and restricted use: Please refer to other products and/or product application information. This product can only be used in industry.