



SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier Sand Pac
 Recommended Use Not Available
 Recommended Restrictions Not Available
 Manufacturer/Importer/Supplier/Distributor information

Company Name Velocity Drilling Fluids, LLC
 Company Address P.O. Box 1120
 Mandeville, LA 70471
 Telephone 985-893-6600
 Emergency Phone 855-227-3584
 Website www.VelocityDrillingFluids.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Caution! May cause mechanical irritation of eyes, skin, and respiratory tract. Long-term inhalation of particulates may cause lung damage.



HMIS RATING

| HEALTH | FLAMMABILITY | PHYSICAL HAZARD | PPE |
|--------|--------------|-----------------|-----|
| 1 | 1 | 0 | E |

ROUTE of EXPOSURE: Eyes. Dermal (skin) contact. Inhalation. Respiratory System.
 EYE: May cause mechanical irritation.
 SKIN: May cause mechanical irritation.
 INHALATION: May cause mechanical irritation.
 INGESTION: May cause gastric distress, nausea, and vomiting if ingesting.
 CARCINOGENICITY: Nuisance particulate matter.

3. COMPOSITION and INFORMATION ON INGREDIENTS

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|------------------------------------|-------------------------|----------|-------------|--|
| SYNONYMS: | MIPAC R, Polysaccharide | | | |
| INGREDIENT | CAS-NO | CONTENTS | COMMENTS | |
| Carboxymethylcellulose sodium salt | 9004-32-4 | 100% | No comments | |

4. FIRST AID MEASURES

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| INHALATION: | Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. |
| EYE CONTACT: | Promptly wash eyes with lots of water while lifting eyelids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. |
| SKIN CONTACT: | Wash skin thoroughly with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if any discomfort continues. |
| INGESTION: | Dilute with 2-3 glasses of water or milk, if conscious. Never give anything by mouth to an unconscious person. If signs of irritation or toxicity occur seek medical attention. |
| GENERAL: | Persons seeking medical attention should carry a copy of this MSDS with them. |

5. FIRE-FIGHTING MEASURES

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| FLASH POINT: | NA |
| AUTO IGNITION: | ND |
| FLAMMABLE LIMITS: | ND |
| IN AIR (LEL,%), (UEL,%): | ND |
| EXTINGUISHING MEDIA: | Use extinguishing media appropriate for surrounding fire. |
| FIRE FIGHTING EQUIPMENT: | 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. |
| UNUSUAL HAZARDS: | Oxides of carbon. |

6. ACCIDENTAL RELEASE MEASURES

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| PERSONAL PRECAUTIONS: | Use personal protective equipment. Dust resistant safety goggles, chemical resistant glove such as nitrile, or neoprene. NIOSH approved respirators. |
| SPILL PROCEDURES: | Evacuate surrounding area , if necessary. Wet product may crate a slipping hazard. Contain spilled material. Avoid the generation of dust. Sweep, vacuum, or shovel and place into closable container for disposal. |
| ENVIRONMENTAL PRECAUTIONS: | Do not allow to enter sewer or surface and subsurface waters. Waste must be disposed of in accordance with federal, state and local laws. |

7. HANDLING AND STORAGE

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| HANDLING: | Put on appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid generating or breathing dust. Product is slippery if wet. Use only with adequate ventilation. Wash thoroughly after handling. |
| STORAGE: | Store in dry, well-ventilated area. Keep container closed. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking. |

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

| INGREDIENT | CAS-NO. | WT% | ACGIH TLV | OSHA PEL | OTHER |
|------------------------------------|----------|-----|-----------|----------|-------|
| Carboxymethylcellulose sodium salt | 9004-2-4 | 100 | NA | NA | NA |

Control as an ACGIH particulate not otherwise specified (PNOS): 10 mg/m² (inhalable); 3 mg/m³ (respirable) and an OSHA particulate not otherwise regulated (PNOR): 15 mg/m³ (respirable).

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| ENGINEERING: | Use appropriate engineering controls such as exhaust ventilation and process enclosure, to ensure air contamination and keep workers exposure below the applicable limits. |
| RESPIRATORY PROTECTION: | If exposed to particulates or aerosols use at least a NIOSH approved N95 half-mask disposable particulate respirator. In work environments containing oil mist/aerosol use at least a NIOSH approved P95 half mask disposable or reusable particulate respirator. If exposed to organic vapors: Use a NIOSH/MSHA approved organic vapor respirator. CCROV: CCR with organic vapor cartridge. A NIOSH/MSHA approved respirator and ammonia/methylamine cartridges should be used to protect against ammonia or amine inhalation exposure. |
| SKIN PROTECTION: | Not normally necessary. If needed to minimize irritation: Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear chemical resistant gloves such as nitrile or neoprene. |
| EYE PROTECTION: | Dust resistant safety goggles. |
| HYGIENE MEASURES: | Work clothes should be washed separately at the end of each workday. Disposable clothing should be discarded, if contaminated with product. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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| FORM: | Solid. Powder. Dust. |
| COLOR: | White |
| MOLECULAR WEIGHT: | NA |
| ODOR: | Odorless or no characteristic odor. |
| pH: | 6.5-8.0 |
| MELTING POINT: | ND |
| BOILING POINT: | ND |
| FREEZING POINT: | ND |
| SOLUBILITY: | soluble |
| SPECIFIC GRAVITY: | 1.5-1.6 at 68 F / 20C |
| VAPOR DENSITY: | NA |
| EVAPORATION RATE: | NA |
| VAPOR PRESSURE: | NA |
| % VOLATILE: | NA |
| DECOMPOSITION TEMP: | NA |

10. STABILITY AND REACTIVITY

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| STABILITY: | stable |
| POLYMERIZATION: | Will not polymerize |
| CONDITIONS TO AVOID: | Keep away from heat, sparks and flame. |
| MATERIALS TO AVOID: | oxidizers |
| HAZARDOUS DECOMPOSITION: | For thermal decomposition products |

11. TOXICOLOGICAL INFORMATION

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| ACUTE TOXICITY: | Any adverse component toxicological effects are listed below. If no effects are listed no such data were found. |
| INGREDIENT: | Carboxymethylcellulose sodium salt |
| CAS NO. | 9004-32-4 |
| ACUTE DATA: | Oral: LD50: 27000 mg/kg (rat) Dermal: LD50: >2000 mg/g (rabbit) Dermal: LC50: >5800 mg/m ³ /4H (rat) |
| SUMMARY: | Rats fed diets containing 2.5, 5, and 10% of this component for 3 months demonstrated some kidney effects. Effects were believed to be related to high sodium content of diet. (Food Chemistry Toxicology) |
| PRODUCT INFORMATION: | Long term inhalation of particulate can cause irritation, inflammation and/or permanent injury to the lungs. Illnesses such as pneumoconiosis (dust lung), pulmonary fibrosis, chronic bronchitis, emphysema and bronchial asthma may develop. |

12. ECOLOGICAL INFORMATION

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| TOXICITY: | Contact MI Environmental Affairs Department or available product ecotoxicity data. |
| BIODEGRADATION: | ND |
| BIOACCUMULATION: | ND |
| OCTANOL/WATER PARTITION: | ND |
| COEFFICIENT: | ND |

13. DISPOSAL CONSIDERATIONS

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| WASTE CLASSIFICATION: | ND |
| WASTE MANAGEMENT: | Under US Environmental Protection Agency (EPA) Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user to determine a 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. All labeled precautions must be observed. |
| DISPOSAL METHOD: | Recover and reclaim or recycle, if practical. Should this product become a waste dispose of in a permitted industrial landfill. Ensure that the containers are empty by the RCRA criteria prior to disposal in permitted industrial landfill. |

14. TRANSPORT INFORMATION

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| DOT (US): | Not regulated for transportation by DOT, TDG, IMDG< ICAO/IATA. |
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| DOT LABEL: | No |
| DOT HAZARD CLASS: | - |
| UN / NA NUMBER: | Not regulated |
| HAZARD LABEL: | na |
| HAZARD PLACARD: | na |
| BULK PACKAGING: | na |
| RQ: | na |
| EMERGENCY RESPONSE GUIDE (ERG) | na |
| NO: | |

15. REGULATORY INFORMATION

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| US REGULATIONS: | - |
| OSHA: | - |
| DSL STATUS: | - |
| SARA 302 : | - |
| SARA 313 : | - |
| SARA 311/312: | Not a hazard. |
| CALIFORNIA PROP. 65 : | Not subject |
| CANADIAN WHIMS: | Not a controlled product. |
| UN PIN No: | NA |
| TSCA 8(b): | NA |
| CERCLA RQ: | NA |
| CANADIAN DSL: | Listed or exempt from listing. |
| EINECS: | Listed or exempt from listing. |
| PHILLIPINES (PICCS): | Listed or exempt from listing. |
| JAPAN (ENCS): | Listed or exempt from listing. |
| KOREA (KECL): | Listed or exempt from listing. |
| CHINA: | Listed or exempt from listing. |
| AUSTRALIA (AICS): | Listed or exempt from listing. |

16. OTHER INFORMATION

MSDS furnished independent of product sale. While every effort has been made to accurately describe this product, some of the data area obtained from sources beyond our direct supervision. We cannot make any assertions as to its reliability or completeness; therefore, user may rely on it only at user's risk. We have made no effort to censor or conceal deleterious aspects of this product. Since we cannot anticipate or control the conditions under which this information and product may be used, we make no guarantee that precautions we have suggested will be adequate for all individuals an/or situations. It is the obligation of each user of this product to comply with the requirements of all applicable laws regarding use and disposal of this product. Additional information will be furnished upon request to assist the user; however, now warranty, either expressed or implied, nor liability of any nature with respect to this product or to the data herein is made or incurred hereunder.