



**BCS FLUIDS, LLC**

## **SAFETY DATA SHEET**

### **1. Identification**

<b>Product Identifier</b>	<b>BOREVERT RM</b>
<b>Recommended Use</b>	<b>NOT Available</b>
<b>Recommended Restrictions</b>	<b>NOT Available</b>
<b>MANUFACTURER/IMPORTER/SUPPLIER/DISTRIBUTOR INFORMATION</b>	

<b>Company Name</b>	<b>BCS Fluids, LLC</b>
<b>Company Address</b>	<b>P.O. Box 1120</b> <b>MANDVILLE, LA 70471</b>
<b>Telephone</b>	<b>985-893-6600</b>
<b>Emergency Phone</b>	<b>855-BCS-Fluids</b>
<b>Website</b>	<b><a href="http://www.BCSFluids.com">www.BCSFluids.com</a></b>

### **2. Hazards Identification**

#### **EMERGENCY OVERVIEW:**

**WARNING:** The health hazards of this product should be low under normal industrial and commercial uses. This product will burn when exposed to heat, spark, or flames. After prolonged contact with porous materials, this product may spontaneously oxidize (combust).

**GHS Hazard Symbols: IRRITANT**



**GHS Hazard Statements:**

**EUH210 - Safety data sheet available on request.**

**GHS Precautionary Statements:**

**P280 - Wear protective gloves/protective clothing/eye protection/face protection.**

**PERSONAL PROTECTIVE EQUIPMENT RECOMMENDATIONS:****Gloves, Apron, FACE Shield****EYE:**

CAUSES EYE IRRITATION. AVOID EYE CONTACT. IRRITATING VAPORS MAY BE FORMED WHEN PRODUCT IS PROCESSED AT HIGH TEMPERATURES. EXPOSURE TO HOT MATERIAL MAY CAUSE THERMAL BUMS. IF HEATED MATERIAL CONTACTS EYE, SEEK MEDICAL ATTENTION IMMEDIATELY FOR THERMAL BUM TREATMENT.

**SKIN:**

CAUSES SKIN IRRITATION. AVOID SKIN CONTACT. CONTACT WITH PRODUCT AT ELEVATED TEMPERATURES CAN RESULT IN THERMAL BUMS. FREQUENT OR PROLONGED CONTACT MAY IRRITATE THE SKIN AND CAUSE A SKIN RASH (DERMATITIS) IN SUSCEPTIBLE INDIVIDUALS. MAINTAIN GOOD HYGIENE PRACTICES.

**INHALATION:**

IRRITATING VAPORS MAY BE FORMED WHEN PRODUCT IS PROCESSED AT HIGH TEMPERATURES. AVOID BREATHING VAPORS OR MISTS. SHORT-TERM INHALATION OF VAPORS MAY CAUSE DIZZINESS, NAUSEA, AND RESPIRATORY TRACT CONGESTION IN SOME INDIVIDUALS. SINGLE EXPOSURE IS NOT EXPECTED TO CAUSE ACUTE TOXICITY.

**INGESTION:**

INGESTION OF LARGE AMOUNTS IS UNLIKELY. INGESTION OF SMALL AMOUNTS IS NOT LIKELY TO CAUSE ACUTE TOXICITY OR INTERNAL DAMAGE.

**CHRONIC EFFECTS:**

PROLONGED EXPOSURE TO VAPORS OR FUMES GENERATED BY HEATING OF THIS PRODUCT MAY LEAD TO RESPIRATORY IRRITATION WITH THROAT DISCOMFORT, COUGHING OR BREATHING DIFFICULTY. REPEATED EXPOSURE MAY LEAD TO RESPIRATORY SENSITIZATION (ASTHMA).

**CARCINOGENICITY INFORMATION:** NO KNOWN CANCER HAZARDS.

### 3. Composition/info on Ingredients

**COMPONENT LISTING:**

CHEMICAL NAME	AMOUNT	CAS NUMBER
FATTY ACIDS C18-UNSATD. DIMERS	100.0 %	61788-89-4

THIS PRODUCT CONTAINS NO KNOWN HAZARDOUS MATERIALS AS DEFINED BY THE OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

AS DEFINED UNDER SARA 311 AND 312, THIS PRODUCT CONTAINS NO KNOWN HAZARDOUS MATERIALS.

### 4. First Aid Measures

**EYE CONTACT FIRST AID:**

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. AFTER INITIAL FLUSHING, REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. IF MOLTEN PRODUCT CONTACTS EYES, FLUSH WITH

**SKIN CONTACT FIRST AID:**

WATER FOR AT LEAST 15 MINUTES AND SEEK MEDICAL ATTENTION.

REMOVE CONTAMINATED CLOTHING AND SHOES. WASH SKIN WITH SOAP AND WATER. DO NOT REUSE CONTAMINATED CLOTHING WITHOUT LAUNDERING. IF MOLTEN PRODUCT CONTACTS SKIN, COOL UNDER RUNNING STREAM OF WATER. DO NOT ATTEMPT TO REMOVE FROM SKIN. REMOVAL COULD RESULT IN SEVERE SKIN DAMAGE. GET MEDICAL ATTENTION.

**NOTES TO PHYSICIAN:**

MATERIAL SHOULD NOT BE FORCIBLY PULLED FROM SKIN. MINERAL OIL MAY BE USED TO LOOSEN THE MATERIAL, THEN PROVIDE TREATMENT AS REQUIRED FOR THERMAL BURN.

**INHALATION FIRST AID:**

REMOVE TO FRESH AIR. RESTORE BREATHING. SEEK MEDICAL ATTENTION.

**INGESTION FIRST AID:**

PRODUCT IS NOT CONSIDERED TO BE TOXIC IN SMALL AMOUNTS. OBTAIN MEDICAL TREATMENT IF LARGE AMOUNTS ARE SWALLOWED.

**NOTES TO PHYSICIAN:**

THE DECISION WHETHER TO INDUCE VOMITING OR NOT SHOULD BE MADE BY AN ATTENDING PHYSICIAN. IF LAVAGE IS PERFORMED, SUGGEST ENDOTRACHEAL AND/OR ESOPHAGEAL CONTROL. NO SPECIFIC ANTIDOTE. IF BUM IS PRESENT, TREAT AS ANY THERMAL BURN. SPECIFIC TREATMENT MUST BE BASED ON JUDGMENT OF THE PHYSICIAN IN RESPONSE TO REACTIONS OF THE PATIENT.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES**

TCC Flash Point:

> 204.4 C (> 399.9 F)

Autoignition Temperature:

N/A

**FLAMMABLE LIMITS IN AIR**

LEL: N/A UEL:

N/A

**EXTINGUISHING MEDIA:**

USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS. USE CARBON DIOXIDE, DRY CHEMICAL OR WATER SPRAY TO EXTINGUISH FIRES.

**FIRE & EXPLOSION HAZARDS:**

CAN BUM IN FIRE, RELEASING TOXIC VAPORS. NO KNOWN UNUSUAL HAZARDS IN A FIRE/EXPLOSION SITUATION.

**FIRE FIGHTING INSTRUCTIONS:**

AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR. EVACUATE AREA AND FIGHT FIRE FROM A SAFE DISTANCE.

**COMBUSTION PRODUCTS:**

WHEN PRODUCT IS HEATED TO DECOMPOSITION, PRODUCT WILL EMIT ACRID DENSE SMOKE WITH CARBON DIOXIDE, CARBON MONOXIDE, TRACE OXIDES OF SULFUR, WATER AND OTHER PRODUCTS OF COMBUSTION; POSSIBLY INCLUDING FORMALDEHYDE.

## 6. Accidental Release Measures

**SAFEGUARDS (PERSONNEL):**

ELIMINATE ALL SOURCES OF IGNITION - HEAT, SPARKS, FLAME, ELECTRICITY, IMPACT AND FRICTION. PROTECT SKIN AND EYES FROM EXPOSURE. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

**INITIAL CONTAINMENT:**

ELIMINATE ALL SOURCES OF IGNITION - HEAT, SPARKS, FLAME, ELECTRICITY, AND IMPACT. SHUT OFF LEAK IF SAFE TO DO SO. CONTAIN SPILLED MATERIAL.

**LARGE SPILLS PROCEDURE:**

CONTAIN SPILLED LIQUID WITH SAND OR EARTH. ABSORB SPILL WITH INERT MATERIAL (E.G., DRY SAND OR EARTH), THEN PLACE IN DISPOSAL CONTAINER. DISPOSE OF WASTE MATERIAL IN ACCORDANCE WITH ALL LOCAL, STATE/PROVINCIAL, AND NATIONAL REQUIREMENTS.

**SMALL SPILLS PROCEDURE:**

ABSORB SPILLS WITH INERT MATERIAL. DISPOSE OF WASTE MATERIAL IN ACCORDANCE WITH ALL LOCAL, STATE/PROVINCIAL, AND NATIONAL REQUIREMENTS.

## 7. Handling and Storage

**HANDLING (PERSONNEL):**

EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED, AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF.  
WHEN SAMPLING CONTAINERS USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

**HANDLING (PHYSICAL ASPECTS):**

Avoid EXTREME TEMPERATURES.

**STORAGE PRECAUTIONS:**

KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE. CONTROL INVENTORY BY USING OLDEST MATERIAL FIRST. SUGGEST STAINLESS STEEL CONSTRUCTION FOR BULK STORAGE BUT MILD STEEL IS ACCEPTABLE.

**MISCELLANEOUS:**

MAINTAIN GOOD HOUSEKEEPING.

## 8. Exposure Controls/ Personal Protection

**ENGINEERING CONTROLS:**

GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS.

**EYE / FACE PROTECTION REQUIREMENTS :**

WHEN SPLASHING OF THE MATERIAL MAY OCCUR, CHEMICAL GOGGLES AND A FACE SHIELD ARE RECOMMENDED. THIS MATERIAL DOES NOT HAVE ESTABLISHED EXPOSURE LIMITS. WEAR SAFETY GLASSES.

**SKIN PROTECTION REQUIREMENTS:**

FOR BRIEF CONTACT, NONNAL WORK ATTIRE SHOULD BE SUFFICIENT. WHEN MATERIAL IS HEATED, WEAR GLOVES TO PROTECT AGAINST THERMAL BURNS.

**RESPIRATORY PROTECTION REQUIREMENTS:**

UNDER NONNAL USE CONDITIONS, WITH ADEQUATE VENTILATION, NO SPECIAL HANDLING EQUIPMENT IS REQUIRED.

**MISCELLANEOUS:**

MAINTAIN GOOD PERSONAL HYGIENE.

**EXPOSURE GUIDELINES:**

**2-BUTOXYETHANOL**

OSHA PEL: 25 ppm, 120 mg/m<sup>3</sup>  
OSHA TWA: 25 ppm  
ACGIH TWA: 25 ppm

## 9. Physical and Chemical Properties

**Appearance**

Liquid.

<b>Physical STATE</b>	<b>Liquid.</b>
<b>Color</b>	<b>CLEAR To AMBER.</b>
<b>Odor</b>	<b>NOT AVAILABLE.</b>
<b>Odor THRESHOLD</b>	<b>NOT AVAILABLE.</b>
<b>pH</b>	<b>NOT AVAILABLE.</b>
<b>MELTING POINT/FREEZING POINT</b>	<b>&lt;77 F.</b>
<b>Initial boiling point AND boiling RANGE</b>	<b>&gt;300 F.</b>
<b>Flash point</b>	<b>NOT AVAILABLE.</b>
<b>EVAPORATION RATE</b>	<b>NOT AVAILABLE.</b>
<b>FLAMMABILITY (solid, GAS)</b>	<b>NOT AVAILABLE.</b>
<b>UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS</b>	
<b>FLAMMABILITY LIMIT - LOWER (%)</b>	<b>NOT AVAILABLE.</b>
<b>FLAMMABILITY LIMIT - UPPER (%)</b>	<b>NOT AVAILABLE.</b>
<b>EXPLOSIVE LIMIT - LOWER (%)</b>	<b>NOT AVAILABLE.</b>
<b>EXPLOSIVE LIMIT - UPPER (%)</b>	<b>NOT AVAILABLE.</b>
<b>VAPOR PRESSURE</b>	<b>NOT AVAILABLE.</b>
<b>VAPOR DENSITY</b>	<b>NOT AVAILABLE.</b>
<b>DENSITY</b>	<b>NOT AVAILABLE</b>
<b>Solubility(ies)</b>	
<b>Solubility (WATER)</b>	<b>NOT Soluble.</b>
<b>PARTITION COEFFICIENT (N-OCTANOL/WATER)</b>	<b>NOT AVAILABLE.</b>
<b>AUTO-IGNITION TEMPERATURE</b>	<b>NOT AVAILABLE.</b>
<b>DECOMPOSITION TEMPERATURE</b>	<b>NOT AVAILABLE.</b>
<b>SPECIFIC GRAVITY</b>	<b>.920</b>
<b>Viscosity</b>	<b>NOT AVAILABLE.</b>
<b>EXPLOSIVE PROPERTIES</b>	<b>POWDERED MATERIAL MAY FORM EXPLOSIVE DUST-AIR MIXTURES</b>
<b>OXIDIZING PROPERTIES</b>	<b>NO INFORMATION AVAILABLE</b>
<b>Bulk DENSITY</b>	<b>NO DATA AVAILABLE</b>

## 10. Stability AND Reactivity

<b>STABILITY:</b>	<b>Stable.</b>
<b>POLYMERIZATION:</b>	<b>HAZARDOUS polymerization will NOT OCCUR.</b>
<b>INCOMPATIBILITY WITH OTHER MATERIALS:</b>	<b>Avoid CONTACT WITH STRONG oxidizing AGENTS.</b>
<b>DECOMPOSITION:</b>	<b>DECOMPOSITION MAY PRODUCE NONNAL products of COMBUSTION SUCH AS FUMES, SMOKE, oxides of CARBON AND hydrocarbons.</b>

## 11. Toxicology INFORMATION

### INFORMATION ON likely ROUTES of EXPOSURE

<b>INHALATION:</b>	<b>NO DATA AVAILABLE.</b>
<b>EYE CONTACT:</b>	<b>NO DATA AVAILABLE.</b>

**SKIN CONTACT:** No data available.

**INGESTION** No data available.

## 12. Ecological Information

### PRODUCT INFORMATION

There is no data available for this product

### ECOTOXICITY

The environmental impact of this product has not been fully investigated.

### PERSISTENCE AND DEGRADABILITY:

No data available

### BIOACCUMULATIVE POTENTIAL:

No data available

### Mobility:

No information available

### GENERAL NOTE:

Do not allow product to reach ground water, water course or sewage system.

## 13. Disposal Considerations

### WASTE TREATMENT METHODS

#### WASTE FROM RESIDUES /UNUSED PRODUCTS

Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local and national regulations

#### CONTAMINATED PACKAGING

Empty containers should be taken for local recycling, recovery or waste disposal

#### WASTE Disposal:

Incineration is recommended. Bury in landfill in accordance with all applicable regulations as an alternative. Dispose of waste material in accordance with all local, state/provincial, and national requirements. Uncleaned empty containers should be disposed of in the same manner as the contents.

## 14. Transport Information

### PRODUCT LABEL:

MR-I OORH (Mud Rheology Modifier)

### D.O.T. SHIPPING NAME:

Elevated Temperature Liquid

### TECHNICAL SHIPPING NAME:

N/A

### D.O.T. HAZARD CLASS:

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### UN NUMBER:

UN 3257

### D.O.T. LABEL:

N/A

### D.O.T. PLACARD:

HOT

### BULK CLASS:

N/A

### PACKAGE CLASS:

N/A

### MISCELLANEOUS:

These regulations apply only when this product is shipped at a temperature of 100°C or above. This product is NOT REGULATED when shipped under 100°C.

## 15. Regulatory Information

### REGULATORY DISCLOSURES:

FDA: NOT REGULATED. USDA: NOT REGULATED. CPSC: NOT REGULATED.  
TSCA: ALL COMPONENTS ARE LISTED ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY.

DOT: SEE SECTION 14.

OSHA: This product is NOT CONSIDERED HAZARDOUS by OSHA STANDARDS.

CERCLA (40 CFR 302.4) REPORTABLE QUANTITY: NOT REGULATED.

### SARA Title III :

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: NONE  
SECTION 313 TOXIC CHEMICALS: NONE.  
SECTION 311 / 312 HAZARDOUS CATEGORIES: NONE

RCRA STATUS: IF DISCARDED IN PURCHASED FORM, THIS PRODUCT WOULD NOT BE A HAZARDOUS WASTE BY LISTING OR CHARACTERISTIC. HOWEVER, UNDER RCRA, IT IS THE RESPONSIBILITY OF THE PRODUCT USER TO DETERMINE AT THE TIME OF DISPOSAL, WHETHER A MATERIAL CONTAINING THE PRODUCT OR DERIVED FROM THE PRODUCT SHOULD BE CLASSIFIED AS A HAZARDOUS WASTE.

CANADIAN DISCLOSURE LIST BUTYL CARBITOL ( 112-34-5)

## 16. Other Information

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