

STATE OF  
COLORADO

received 08/01/2014  
API 071-09862  
products used downhole subsequent to completion  
Projects 2092 and 2130  
DOC 2141659

## FW: Product identification and/or MSDS for products used down hole at the WD Federal 14-7 R

1 message

**Holland, Dave** <Dave.Holland@pxd.com>

Fri, Aug 1, 2014 at 11:43 AM

To: "Peter Gintautas (peter.gintautas@state.co.us)" &lt;peter.gintautas@state.co.us&gt;

Peter,

Please see Steve's response below. Let me know if you have any questions or feel free to ask Steve.

Dave

**From:** Schreck, Stephen**Sent:** Friday, August 01, 2014 9:27 AM**To:** Holland, Dave**Subject:** RE: Product identification and/or MSDS for products used down hole at the WD Federal 14-7 R

Since October of 2012 Biotech has been the only well treatment vendor used in the Raton basin. Biotech does batch treatment on wells monthly and also treats produced water used to kill (flood) wells during work-over or recompletion. Biotech uses facultative anaerobic bacterium to control for scale, corrosion and paraffin in wells. Their products are not chemicals but they do provide an MSDS anyway. Additional information on Biotech can be found at <http://www.biotechinc.org/>

The WD Federal 14-7 R has been treated by Biotech since January of 2013.

in phone conversation with Steve Schreck of Pioneer, he stated that no other products had been used downhole in the WD Federal well after completion in October 2011 and prior to use of the Biotech products was started in 2013.

Methanol is also used on occasion in the basin to prevent surface freezes. Methanol is not used down hole.

**From:** Holland, Dave**Sent:** Friday, August 01, 2014 8:51 AM**To:** Schreck, Stephen**Subject:** FW: Product identification and/or MSDS for products used down hole at the WD Federal 14-7 R

**From:** Gintautas - DNR, Peter [<mailto:peter.gintautas@state.co.us>]  
**Sent:** Tuesday, July 22, 2014 3:03 PM  
**To:** Holland, Dave  
**Subject:** Product identification and/or MSDS for products used down hole at the WD Federal 14-7 R

Dave,

We request that you provide us with a list of products used in downhole operations at the WD Federal 14-7 R well (API 071-09862) subsequent to the completion of the well on October 16, 2011.

This would aid COGCC staff in trying to better understand the chemistry of produced water in the well. We assume MSDS are available for any products used downhole and we also request you provide access to that information as well.

Please contact me with any questions regarding this request.

Thanks

Peter Gintautas Ph.D.  
Environmental Protection Specialist - Southeastern Colorado



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PO Box 108, Trinidad, CO 81082

[peter.gintautas@state.co.us](mailto:peter.gintautas@state.co.us) | [www.colorado.gov/cogcc](http://www.colorado.gov/cogcc)

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**Statement of Confidentiality:**

This message may contain information that is privileged or confidential. If you receive this transmission in error, please notify the sender by reply e-mail and delete the message and any attachments.

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**4 attachments**



**MSDS PBS-Bio Tech.doc**  
105K



**MSDS M1000H-Bio Tech.doc**  
60K

**MSDS CBS-Bio Tech.doc**

9/15/2014

State.co.us Executive Branch Mail - FW: Product identification and/or MSDS for products used down hole at the WD Federal 14-7 R



111K



**MSDS LBS-Bio Tech.doc**

111K



# Bio Tech, Inc.

## Material Safety Data Sheet for **Para-Bac S**

### Section 1. Identification

Para-BAC S™

### Section 2. Identity Information / Composition

Hazardous Components: None (TSCA 40 CFR 710.4 b)

Common Name:

Microbial Product: Naturally occurring microorganisms

### Section 3. Physical Characteristics

Specific Gravity: 1.02

Boiling Point: 100°C

Melting Point: 0°C

Solubility in Water: Water Soluble

Appearance and Odor: Light Pink to Tan

Liquid with Mild Odor

### Section 4. Fire and Explosion Hazard

Flash Point NA

Flammable Limits NA

Extinguishing Media NA

Special Fire Fighting Procedures None

Unusual Fire and Explosion Hazards: None

### Section 5. Reactivity Data

Stability: Stable

Incompatibility: None

Conditions to Avoid: Extreme

Conditions

Hazardous Decomposition or Byproducts: None

### Section 6. Health Hazard Data

Routes of Entry: Ingestion; Eye Contact

Carcinogenicity (NTP or IARC): None

Signs and Symptoms of Exposure: May

Cause Gastric and/or Intestinal Upset

Emergency and First Aid Procedures:

Ingestion: Do Not Induce Vomiting;

Drink plenty of water.

Eye Contact: Flush with clean water for 10 minutes

### Section 7. Precautions for Safe Handling

Material Release or Spillage: Clean up with soap and water or with disinfectant

Waste Disposal Method: Flush with clean water

Handling and Storage Precautions: Store in tightly closed original container at temperatures between 13°C to 32°C

Ventilation Required: None Required

Respiratory Protection: None Required

Personal Protection: None required; use of gloves and safety glasses suggested

Work/Hygienic Practices: Routine

7/1/05



# Bio Tech, Inc.

## Material Safety Data Sheet for **M1000\*H Solution**

### Section 1. Identification

**M1000\*H Solution™**

**Eye Contact:** Flush with clean water for 10 minutes

### Section 2. Identity Information /

#### Composition

**Hazardous Components:** None (TSCA 40 CFR 710.4 b)

**Common Name:** Microbial Product:  
**Naturally occurring microorganisms**

### Section 3. Physical Characteristics

**Specific Gravity:** 1.02

**Boiling Point:** 100°C

**Melting Point:** 0°C

**Solubility in Water:** Water Soluble

**Appearance and Odor:** Light Pink to Tan  
with Moderate Odor

### Section 4. Fire and Explosion Hazard

**Flash Point:** NA

**Flammable Limits:** NA

**Extinguishing Media:** NA

**Special Fire Fighting Procedures:** None

**Unusual Fire and Explosion Hazards:** None

### Section 5. Reactivity Data

**Stability:** Stable

**Incompatibility:** None

**Conditions to Avoid:** Extreme Conditions

**Hazardous Decomposition or Byproducts:**  
None

### Section 6. Health Hazard Data

**Routes of Entry Ingestion; Eye Contact**

**Carcinogenicity (NTP or IARC):** None

**Signs and Symptoms of Exposure:** May

**Cause Gastric and/or Intestinal Upset**

**Emergency and First Aid Procedures:**

**Ingestion:** Do Not Induce Vomiting;

**Drink plenty of water.**

### Section 7. Precautions for Safe Handling

**Material Release or Spillage:** Clean up with soap and water or with disinfectant

**Waste Disposal Method:** Flush with clean water

**Handling and Storage Precautions:** Store in tightly closed original container at temperatures between 13°C to 32°C

**Ventilation Required:** None Required

**Respiratory Protection:** None Required

**Personal Protection:** None required; use of gloves and safety glasses suggested

**Work/Hygienic Practices:** Routine

7/1/05



# Bio Tech, Inc.

## Material Safety Data Sheet for **Corroso-Bac S**

### Section 1. Identification

**CORROSO-BAC™**

### Section 2. Identity Information / Composition

**Hazardous Components:** None (TSCA 40 CFR 710.4 b)

**Common Name:**

**Microbial Product:** Naturally occurring microorganisms

### Section 3. Physical Characteristics

**Specific Gravity:** 1.02

**Boiling Point:** 100°C

**Melting Point:** 0°C

**Solubility in Water:** Water Soluble

**Appearance and Odor:** Reddish Brown

Liquid with Mild Odor

### Section 4. Fire and Explosion Hazard

**Flash Point** NA

**Flammable Limits** NA

**Extinguishing Media** NA

**Special Fire Fighting Procedures** None

**Unusual Fire and Explosion Hazards:** None

### Section 5. Reactivity Data

**Stability:** Stable

**Incompatibility:** None

**Conditions to Avoid:** Extreme

**Conditions**

**Hazardous Decomposition or Byproducts:**  
None

### Section 6. Health Hazard Data

**Routes of Entry Ingestion; Eye Contact**

**Carcinogenicity (NTP or IARC):** None

**Signs and Symptoms of Exposure:** May

**Cause Gastric and/or Intestinal Upset**

**Emergency and First Aid Procedures:**

**Ingestion:** Do Not Induce Vomiting;

Drink plenty of water.

**Eye Contact:** Flush with clean water for 10 minutes

### Section 7. Precautions for Safe Handling

**Material Release or Spillage:** Clean up with soap and water or with disinfectant

**Waste Disposal Method:** Flush with clean water

**Handling and Storage Precautions:** Store in tightly closed original container at temperatures between 13°C to 32°C

**Ventilation Required:** None Required

**Respiratory Protection:** None Required

**Personal Protection:** None required; use of gloves and safety glasses suggested

**Work/Hygienic Practices:** Routine

7/1/05



# Bio Tech, Inc.

## Material Safety Data Sheet for **Litho-Bac S**

### Section 1. Identification

**LITHO-BAC™**

**Eye Contact:** Flush with clean water for 10 minutes

### Section 2. Identity Information / Composition

**Hazardous Components:** None (TSCA 40 CFR 710.4 b)

**Common Name:** Microbial Product:  
**Naturally occurring microorganisms**

### Section 3. Physical Characteristics

**Specific Gravity:** 1.02

**Boiling Point:** 100°C

**Melting Point:** 0°C

**Solubility in Water:** Water Soluble

**Appearance and Odor:** Greenish Brown  
Liquid with Mild Odor

### Section 4. Fire and Explosion Hazard

**Flash Point:** NA

**Flammable Limits:** NA

**Extinguishing Media:** NA

**Special Fire Fighting Procedures:** None

**Unusual Fire and Explosion Hazards:** None

### Section 5. Reactivity Data

**Stability:** Stable

**Incompatibility:** None

**Conditions to Avoid:** Extreme  
Conditions

**Hazardous Decomposition or Byproducts:**  
None

### Section 6. Health Hazard Data

**Routes of Entry Ingestion; Eye Contact**

**Carcinogenicity (NTP or IARC):** None

**Signs and Symptoms of Exposure:** May  
Cause Gastric and/or Intestinal Upset

**Emergency and First Aid Procedures:**

**Ingestion:** Do Not Induce Vomiting;

**Drink plenty of water.**

### Section 7. Precautions for Safe Handling

**Material Release or Spillage:** Clean up with  
soap and water or with disinfectant

**Waste Disposal Method:** Flush with clean  
water

**Handling and Storage Precautions:** Store in  
tightly closed original container at  
temperatures between 13°C to 32°C

**Ventilation Required:** None Required

**Respiratory Protection:** None Required

**Personal Protection:** None required; use of  
gloves and safety glasses suggested

**Work/Hygienic Practices:** Routine

7/1/05