

# CB 333-44

## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**SUPPLIER:** Appalachian Drilling Services  
105 Industrial Park Road  
Beech Creek, PA 16822  
570-769-5179

**24 hr. EMERGENCY CONTACT (CHEMTREC) US Tel: 1- 800-424-9300**

**PRODUCT NAME:** CB 333-44

**PRODUCT USE/CLASS:** Corrosion Inhibitor

**MSDS REVISION DATE:** 12/16/2014

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	EXPOSURE LIMITS	CAS#	% BY WEIGHT
Water	ACGIH TLV – N/A ppm TWA OSHA PEL – N/A ppm	7732-18-5	50-70 %
Proprietary mixture	ACGIH TLV – N/A ppm TWA OSHA PEL – N/A ppm	proprietary	30-55 %

### 3. HAZARD IDENTIFICATION

**EYE:** Liquid, aerosols and vapors of this product may be irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

**SKIN:** May cause skin irritation. Allergic reactions are possible. Passage of this material into the body through the skin is possible, which will add to the toxic effects from ingestion and inhalation.

**INGESTION:** This material may be harmful if swallowed. Seek medical attention.

**INHALATION:** Prolonged inhalation may be harmful and can cause headaches, dizziness and nausea.

**CHRONIC INFORMATION:** No known over exposure damages.

**PRIMARY ROUTE(S) OF ENTRY:** Skin absorption, and Ingestion

### 4. FIRST AID MEASURES

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention, if irritation persists.

**SKIN CONTACT:** Wash with soap and water. Get medical attention if irritation develops or persist.

**INHALATION:** Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**INGESTION:** Get medical attention immediately. Do not give anything by mouth to an unconscious person. Place victim on left side with head down to prevent aspiration into lungs. Call a physician or poison control center immediately for advice on inducing vomiting.

### 5. FIRE FIGHTING MEASURES

**FLASH POINT:** N/D F  
(TAGLIABUE CLOSED CUP)

**LOWER EXPLOSIVE LIMIT:** N.D.  
**UPPER EXPLOSIVE LIMIT:** N.D.

**AUTOIGNITION TEMPERATURE:** N.D.

**EXTINGUISHING MEDIA:** CO2                      DRY CHEMICAL

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**SPECIAL FIRE FIGHTING PROCEDURES:** Containers can build up pressure if exposed to heat (fire). As in any fire, wear a self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Apply alcohol-type foam or all purpose foam manufacturers recommended techniques for large fires. Use carbon dioxide or dry chemical for small fires. Use water spray to keep containers cool.

### 6. ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. (See exposure controls / personal protection section) Spilled material should be disposed of according to applicable regulations.

### 7. HANDLING AND STORAGE

**HANDLING:** Handle all chemicals with care.

**STORAGE:** Keep away from heat, sparks, and flames. Keep container closed when not in use. Store in a cool, dry, well ventilated place away from incompatible materials.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Local exhaust ventilation may be necessary to control any air contaminants to within their exposure limits.

**RESPIRATORY PROTECTION:** Use a NIOSH/MSHA approved air purifying respirator with an organic/amine vapor cartridge when airborne concentrations are expected to exceed exposure limits. Protection by air purifying respirators is limited.

**SKIN PROTECTION:** When contact is likely wear chemical resistant gloves and boots.

**EYE PROTECTION:** Wear safety glasses with side shields or goggles.

**OTHER PROTECTIVE EQUIPMENT:** Emergency eye wash stations and deluge showers should be available in the work area.

**HYGIENIC PRACTICES:** Wash hands before eating. Use only with adequate ventilation. Remove contaminated clothing and wash before reuse.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear Light Yellow

**ODOR:** Slight Amine

**VAPOR DENSITY:** N.D.

**VAPOR PRESSURE:** N.D.

**PHYSICAL STATE:** Liquid

**SOLUBILITY IN WATER:** Soluble

**PH (AS IS):** 8.0 – 10.0

**SPECIFIC GRAVITY (@ 25C):** 1.045 g/mL

### 10. STABILITY AND REACTIVITY DATA

**CONDITIONS TO AVOID:** Avoid temperature extremes. Excessive heat causes the vapor pressure to increase rapidly.

**INCOMPATIBILITY:** Avoid contact with strong acids and oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal use and storage conditions.

**CHEMICAL STABILITY:** This product is stable under normal storage conditions.

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### 11. TOXICOLOGICAL INFORMATION

**ORAL:** Product is classified as moderately irritating to the digestive tract.

**DERMAL:** Product is classified as moderately irritating to the skin.

**INHALATION:** Product is classified as moderately irritating to the eyes.

### 12. ECOLOGICAL INFORMATION

**ECOTOXICITY:** No product information is available.

**CHEMICAL FATE INFORMATION:** No product information is available.

### 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Consult local, state, or federal regulatory agencies for acceptable disposal procedures and disposal locations. Disposal in streams or sewers may be prohibited by federal, state, and local regulations.

**RCRA STATUS:** None

### 14. TRANSPORTATION INFORMATION

#### (NON-BULK SHIPMENTS)

**D.O.T. PROPER SHIPPING NAME:** Not Regulated

**D.O.T. TECHNICAL NAME:** Non-hazardous for D.O.T. purposes

**D.O.T. HAZARD CLASS:** N/A

**HAZARD SUBCLASS:** N/A

**D.O.T. UN NUMBER:** N/A

**PACKING GROUP:** N/A

**RESP. GUIDE PAGE:** N/A

#### (BULK SHIPMENTS)

**D.O.T. PROPER SHIPPING NAME:** Not Regulated

**D.O.T. TECHNICAL NAME:** Non-hazardous for D.O.T. purposes

**D.O.T. HAZARD CLASS:** N/A

**HAZARD SUBCLASS:** N/A

**D.O.T. UN NUMBER:** N/A

**PACKING GROUP:** N/A

**RESP. GUIDE PAGE:** N/A

**T.D.G. PROPER SHIPPING NAME:** Not Regulated

**T.D.G. TECHNICAL NAME:** N/A

**T.D.G. HAZARD CLASS:** N/A

**HAZARD SUBCLASS:** N/A

**T.D.G. UN NUMBER:** N/A

**PACKING GROUP:** N/A

**RESP. GUIDE PAGE:** N/A

**IMDG PROPER SHIPPING NAME:** Not Regulated

**IMDG TECHNICAL NAME:** N/A

**IMDG HAZARD CLASS:** N/A

**HAZARD SUBCLASS:** N/A

**IMDG UN NUMBER:** N/A

**PACKING GROUP:** N/A

**EmS No.:** N/A

### 15. REGULATORY INFORMATION

#### CERCLA – SARA HAZARD CATEGORY:

SECTION 311/312: This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

**NONE**

SARA SECTION 313: This product does not contain substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

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COMPONENT	CAS#	% BY WEIGHT
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### TSCA STATUS:

All components of this product are listed on the Toxic Substance Control Act Inventory or are excluded from the listing requirements.

### INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

**CANADIAN WHMIS CLASS:** B-2, D-1B, D2A, D2B

### CANADIAN ENVIRONMENTAL PROTECTION ACT:

All components of this product are listed on the Canadian Domestic Substance List (DSL).

### 16. OTHER INFORMATION

**HMIS RATING – HEALTH:** 1      **FLAMMABILITY:** 0      **REACTIVITY:** 0      **PERSONAL PROTECTIVE RATING:** B

**VERSION NUMBER:** 1

**REPLACES:** NONE

**REVISION INFORMATION:** N.A.

**LEGEND:** N.A. – NOT APPLICABLE, N.E. - NOT ESTABLISHED, N.D. – NOT DETERMINED

THIS PRODUCT'S HEALTH AND SAFETY INFORMATION IS PROVIDED TO ASSIST OUR CUSTOMERS IN ASSESSING COMPLIANCE WITH HEALTH, SAFETY AND ENVIRONMENTAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US, AND IS BELIEVED TO BE ACCURATE, ALTHOUGH NO GUARANTEE OR WARRANTY IS PROVIDED OR IMPLIED BY THE COMPANY IN THIS RESPECT. SINCE THE USE OF THIS PRODUCT IS WITHIN THE EXCLUSIVE CONTROL OF THE USER, IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE CONDITIONS OF SAFE USE. SUCH CONDITIONS MUST COMPLY WITH ALL GOVERNMENTAL REGULATIONS.