



### MATERIAL SAFETY DATA SHEET

#### SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: September 20, 2012  
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PRODUCT NAME: **Wax-Off**

PRODUCT USE: Removal of silicate based drilling muds from equipment

CHEMICAL FAMILY: Mixture CAS#: Mixture

#### WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: E WORKPLACE HAZARD: Corrosive liquid

#### TRANSPORTATION OF DANGEROUS GOODS (TDG)

PROPER SHIPPING NAME: Corrosive Liquid, N.O.S. (phosphoric acid)

TDG CLASSIFICATION: 8

UN NUMBER (PIN): UN1760

PACKING GROUP: III

#### SECTION II: HAZARDOUS INGREDIENTS

| INGREDIENT      | % (w/w) | CAS NUMBER | LD50Oral-Rat | LC50Inhal-Rat | ACGIH-TLV               |
|-----------------|---------|------------|--------------|---------------|-------------------------|
| Phosphoric acid | 1–5     | 7664-38-2  | 1530 mg/kg   | Not available | 1 mg/m <sup>3</sup> TWA |

#### SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [XX] EYE CONTACT [XX] SKIN [XX] INHALATION [XX] INGESTION

EYECONTACT : Causes severe irritation with tearing and redness on contact. May cause permanent corneal damage without prompt first aid.

SKIN CONTACT: Prolonged contact may cause severe irritation, with local discomfort or pain, and local redness, swelling and possibly chemical burns. Repeated contact may cause dermatitis.

INGESTION: May cause severe burning of the mouth and throat, abdominal discomfort, nausea, vomiting, and diarrhea.

INHALATION: Inhalation of mists or vapours, and aspiration of liquids, may cause severe lung injury.

CARCINOGENICITY: No information available.

TERATOGENICITY: No information available.

REPRODUCTIVE TOXICITY: No information available.

MUTAGENICITY: No information available.

SENSITIZATION: Certain individuals may become sensitized to the product with prolonged contact.

SYNERGISTIC: No information available.

PRODUCTS:

#### SECTION IV: FIRST AID MEASURES

SKIN CONTACT: Remove contaminated clothing and flush with running water for 15minutes. If irritation persists, or prolonged contact has occurred, obtain medical attention.

EYE CONTACT: Immediately flush with gently flowing warm water for 15 minutes, or until irritation ceases, holding eyelids open. Remove contact lens, if present. When flushing is completed, obtain medical attention.

INGESTION: Do not induce vomiting. Rinse mouth and give 1-2 glasses of water. If vomiting occurs, keep head below hips to prevent aspiration, and re-administer water. Obtain medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.

INHALATION: Move to fresh air. Apply oxygen or artificial respiration if required. If breathing difficulties, or distress, continue obtain medical attention.

#### SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR: Clear colourless liquid; no odour

SPECIFIC GRAVITY: ~1.0

BOILING POINT (°C): Not determined

MELTING POINT (°C): -5  
SOLUBILITY IN WATER: Excellent  
PERCENT VOLATILE BY VOLUME: pH: 2  
EVAPORATION RATE: Not available  
VAPOUR PRESSURE (mmHg): Not available  
VAPOUR DENSITY (air = 1): Not available  
BULK DENSITY: Not applicable

## SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not flammable  
FLAMMABLE LIMITS: Not applicable  
EXTINGUISHING MEDIA: Use media suitable for surrounding materials.  
SPECIAL FIRE FIGHTING PROCEDURES:  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Self-contained breathing apparatus required for fire fighting personnel. Remove containers from fire area, or cool with water spray, if possible. None.

## SECTION VII: REACTIVITY DATA

STABILITY: STABLE [XX] UNSTABLE [ ]  
INCOMPATIBILITY: Avoid strong alkalis, strong oxidizers and water  
(CONDITIONS TO AVOID): reactive materials. Avoid temperatures above 500°F, metal oxides, carbides, chlorates, picrates, nitrates, hydroxides, amines, carbonates.  
CONDITIONS OF REACTIVITY: Contact of acid with organic materials may cause fire and explosions. May react with metals to produce explosive hydrogen gas.  
HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur oxides, oxides of carbon, oxides of nitrogen, oxides of phosphorus.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR [XX] MAY OCCUR [ ]

## SECTION VIII: PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION  
RESPIRATORY PROTECTION: In absence of adequate ventilation, wear an approved respirator with acid gas cartridges.  
VENTILATION: Use local exhaust ventilation, process enclosure or other engineering controls to maintain concentration of dust in air below TLV. Ensure all equipment is corrosion resistant.  
PROTECTIVE GLOVES: PVC or rubber.  
EYE PROTECTION: Chemical goggles and face shield. Do not wear contact lenses.  
OTHER PROTECTIVE EQUIPMENT: Wear clothing adequate to protect against exposure.  
(Specify): Ensure eye-wash station and emergency shower are available.

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Discard, or thoroughly clean, all contaminated clothing and footwear. Keep container closed when not in use. Use with adequate ventilation. Store in a dry area away from oxidizers and ignition sources. Empty packages contain residual hazardous material; handle and store as if full.

### STEPS TO BE TAKEN IN CASE THE MATERIAL IS SPILLED OR RELEASED

Use appropriate safety equipment. Stop leak if possible to do so without risk. Dike to prevent spread of material. Soak up small spills with inert absorbent. Use vacuum to collect large spills. Collect uncontaminated material for repackaging. Collect contaminated material and absorbents in approved containers for disposal.

### WASTE DISPOSAL METHOD

Dispose/incinerate in accordance with federal, provincial and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. Dispose, or recycle, empty containers in accordance with local regulations.

## SECTION IX: PREPARATION

THE INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH,  
BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

DATE ISSUED: September 20, 2012 BY: Product safety committee  
SUPERSEDES: September 20, 2009 PHONE: 780-440-4923

**Diversity Technologies Corp. is the parent company of  
Canamara-United Supply, Hollimex Products, The Drilling Depot and  
Westcoast Drilling Supplies.**