SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: PPH, stripped
OTHER IDENTIFIERS: None
CHEMICAL FORMULA: Complex mixture
RELEVANT USES: Mineral flotation
DISTRIBUTED BY: Freedom Industries, Inc.
1015 Barlow Drive
Charleston, WV 25311
PHONE NUMBERS: Business - (304) 720-8065 (business hours)
CHEMTREC - (800) 424-9300 (transportation emergencies)

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION:
Serious eye irritation (Category 2)
Skin irritation (Category 2)

SIGNAL WORD:
Warning!

HAZARD STATEMENTS:
Causes skin irritation and serious eye irritation.

PRECAUTIONARY STATEMENTS:
Prevention
Wear protective gloves, eye protection and face protection. Wash exposed areas thoroughly after handling.

Response
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Section 2 continued on next page
SECTION 2 - HAZARDS IDENTIFICATION (continued)

PRECAUTIONARY STATEMENTS (continued):
  Storage
  Not applicable

  Disposal
  Not applicable

HAZARDS NOT OTHERWISE CLASSIFIED: None

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>%</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyglycol ethers</td>
<td>100</td>
<td>Proprietary*</td>
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</table>

*The specific chemical identity is being withheld as "trade secret" in accordance with 29 CFR 1910.1200(j)

SECTION 4 - FIRST AID MEASURES

IN CASE OF EYE CONTACT:
  Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Remove contact lenses, if present and easy to do. Get immediate medical attention. Do not use chemical antidote.

IN CASE OF SKIN CONTACT:
  Wash exposed area with soap and water. Remove contaminated clothing and launder before reuse.

IF SWALLOWED:
  If conscious, immediately give two large glasses of water. Call a physician. Never give anything by mouth to an unconscious person.

IF INHALED:
  If affected, move to fresh air. If breathing is difficult, contact a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS:
  Contact with skin or eyes causes irritation, which may be severe, especially in sensitive individuals.

NOTE TO PHYSICIAN:
  Treat symptomatically.
SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:
This material is not easily ignited, but will burn if heated sufficiently. It meets the OSHA definition of a Class III B - combustible liquid.

EXTINGUISHING MEDIA:
Use water fog, alcohol-resistant foam or dry chemical or carbon dioxide.

PROTECTION OF FIREFIGHTERS:
Keep personnel removed from and upwind. Wear full protective clothing and self-contained breathing apparatus with full face-piece. Cool containers with water. Water or foam may cause frothing which can be violent, especially if sprayed into containers of hot, burning liquid.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES:
Persons not wearing protective equipment should be excluded from the area of the spill until cleanup has been completed.

CONTAINMENT & CLEAN-UP:
Dike area of spill to prevent spreading and pump liquid to salvage tank. Absorb remaining liquid on vermiculite, floor absorbent or other absorbent material and shovel into containers.

SECTION 7 - HANDLING AND STORAGE

HANDLING:
Avoid contact with skin, eyes and clothing. Avoid inhalation of vapors. Wash thoroughly after handling.

STORAGE:
Keep in closed or covered containers when not in use. Store in cool dry place with adequate ventilation. Do not store near strong oxidizing materials.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:
Not established for product or components

Section 8 continued on next page
SECTION 6 - EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)

ENGINEERING CONTROLS:
Provide sufficient ventilation to maintain exposure below level of overexposure.

EYE / FACE PROTECTION:
Chemical splash goggles, in compliance with OSHA regulations, are advised.

SKIN PROTECTION:
Wear protective gloves such as Neoprene or Buna-N.

RESPIRATORY PROTECTION:
Not required under normal conditions of use; however, a NIOSH/MSHA supplied air respirator or canister-type respirator equipped with organic vapor cartridge is recommended if there is insufficient ventilation to maintain exposures below established exposure limits.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colorless or yellow liquid @ 68°F (20°C)
Odor: Mild
pH: Unavailable
Freezing Point: <32°F (0°C)
Initial Boiling Point: ~477°F (247°C)
Flash Point: >253°F (123°C) PMCC
Evaporation Rate: Slower
(Ethyl Ether = 1)
Upper Explosion Limit: Unavailable

Lower Explosion Limit: Unavailable
Vapor Pressure: Unavailable
Vapor Density: Heavier
Relative Density: ~1.06 @ 68°F (20°C)
Weight per Gallon: ~8.84
Solubility in Water: ~2%
Volatile %: >95%
VOC %: Unavailable
Autoignition Temperature: Unavailable
Decomposition Temperature: Unavailable

SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY:
Reacts violently with strong oxidizers

STABILITY:
Stable under normal conditions of 70°F (21°C) and 14.7 psig (760 mm Hg).

POSSIBILITY OF HAZARDOUS REACTIONS:
Avoid contact with strong oxidizers

CONDITIONS TO AVOID:
None anticipated under normal conditions of use

Section 10 continued on next page
SECTION 10 - STABILITY AND REACTIVITY (continued)

INCOMPATIBLE MATERIALS:
Avoid contact with strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS:
Not anticipated under normal conditions of use.

DECOMPOSITION:
Unknown

SECTION 11 - TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE:
Skin and eye contact and inhalation

SYMPTOMS:
**Eyes:** Symptoms include pain and redness.
**Skin:** Redness
**Breathing:** Symptoms include irritation of respiratory tract.
**Swallowing:** Nausea

EFFECTS FROM EXPOSURE:
**Immediate:** Causes serious irritation to the eyes. May cause skin irritation. Harmful if swallowed.
**Delayed:** None known
**Chronic:** None known

TOXICITY DATA:
Acute oral LD<sub>50</sub> (rat) – >2000 mg/kg (for majority component)
Dermal LD<sub>50</sub> (rat) – greater than 2000 mg/kg (for majority component)

CARCINOGENICITY
This product is not reported to have any carcinogenic effects. This product (or components) is not listed in IARC Monographs, the current NTP Report on Carcinogens or the current ACGIH TLVs as a carcinogen or potential carcinogen. OSHA does not regulate it as a carcinogen.
SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY:
No data available

PERSISTENCE AND BIODEGRADABILITY
No data available for product

BIOACCUMULATIVE POTENTIAL:
No data available

MOBILITY IN SOIL:
No data available

OTHER ADVERSE EFFECTS:
No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Incineration is the recommended disposal method for all chemical wastes. Material collected on absorbent material may be deposited in a landfill in accordance with all applicable local, state and federal regulations.

This product, if disposed of, is not considered a hazardous waste under current RCRA definitions.

SECTION 14 - TRANSPORT INFORMATION

Not regulated under current U.S DOT, TDG (Canadian), ICAO (air) or IMO (water) transport regulations.

SECTION 15 - REGULATORY INFORMATION

TSCA INFORMATION:
All components in this product are in compliance with TSCA Inventory requirements.

SARA:
CERCLA/SARA 302: None
CERCLA/SARA 311/312: Acute
CERCLA/SARA 313: None
SECTION 16 - OTHER INFORMATION

PREPARATION DATE: October 15, 2013
SUPERCEDES: Not applicable
REASON FOR REVISION: New SDS

The product information contained herein is believed to be accurate as of the date of the Safety Data Sheet, and is provided without warranty, expressed or implied, as to the results of use of this information or the product to which it relates. Recipient assumes all responsibility for the use of this information and the use (alone or in combination with any other product), storage or disposal of the product, including any resultant personal injury or property damage.

***END OF REPORT***