

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SDS REVISION #: 001

PRODUCT IDENTIFIER: PPH, stripped

OTHER IDENTIFIERS: None

CHEMICAL FORMULA: Complex mixture *5.6% in MCHM*

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.



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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

<u>Component</u>	<u>%</u>	<u>CAS No.</u>
Polyglycol ethers	100	Proprietary*

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

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:

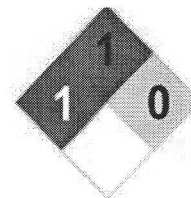
Contact with skin or eyes causes irritation, which may be severe, especially in sensitive individuals.

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 IIIB – 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

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SECTION 8 - 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

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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 LD₅₀ (rat) – >2000 mg/kg (for majority component)

Dermal LD₅₀ (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

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END OF REPORT