

Safety Data Sheet

1. Product Identification

PRODUCT NAME: **Turbo-Stick PHPA**

WPS Patent #865475

Chemical

➤ Formulated Polymer/Dispersant blend contained in a rice paper water soluble cylinder.

Application

➤ Oil Well Drilling Fluid Additive.

Supplier

➤ Turbo-Chem Int'l., INC.
106 West Saul
Scott, LA. 70583

2. Hazard(s) Identification

Mild Skin and Digestive Irritant

WARNING



- Generally recognized as safe when product used as intended.
- Ingestion may cause gastrointestinal irritation with nausea, vomiting, and diarrhea.
- Store in a cool dry place away from oxidizers.
- Wear appropriate protective clothing and equipment.
- Avoid contact with skin or eyes.
- Wash arms, hands and face thoroughly after handling.

3. Composition / Information on Ingredients

Chemical Name	CAS Number	% Range	OSHA PEL
Formulated Polymer	Proprietary	N/A	Not Established
Dispersants	Proprietary	N/A	

Free flowing granular material contained in a water soluble tube.

4. First Aid Measures

EYE CONTACT

- Check and remove contact lens immediately. Flush eyes with clean water for 15 min. while holding eyelids open. Seek medical attention if irritation continues.

SKIN

- If irritation occurs, wash skin thoroughly with cool water. If irritation persists or worsens seek medical attention.

INHALATION

- If respiratory symptoms develop move victim away from source of exposure and into fresh air. If victim is not breathing a certified person should administer CPR. Seek medical attention immediately.

INGESTION

- If amount is more than 5 ounces, or a little more than ½ cup, seek medical attention. Do not leave victim unattended and observe closely for adequate breathing.

5. Fire and Explosion Hazard Information

Flash Point

- Not applicable

Flammable Properties

- Non-flammable

OSHA Flammability Class

- Not Applicable

LEL/UEL

- Not Applicable

Lower Explosion Limit

- Not Determined

Self-Ignition

- Will not occur

Ignition Temperature

- Not Determined

Upper Explosion Limit

- Not Determined

Extinguishing Media

- Dry chemical, carbon dioxide. Water will result in a slip hazard. If water is used caution pedestrian/vehicle traffic.

Firefighter Equipment

- Full face self-contained breathing apparatus and impervious protective clothing.

Unusual Fire/Explosion Hazards

- None

Sensitivity to Mechanical Impact

- None

Dust Explosiveness

- Dust in sufficient concentrations may result in an explosive mixture in air.

6. Accidental Release Measures

Accidental Release Measures

- Product becomes slippery and difficult to handle when wet. Sweep up and collect dry product.

Wet Product

- Absorb wet product with vermiculite or other inert material.

Disposal

- Water wash area, keep spilled material from entering unauthorized treatment drainage systems and natural waterways.

7. Handling and Storage

Spill or Release

- Recover all unbroken sticks. Gather broken sticks for processing and repackaging. Sweep up all dust.

Handling and Storage

- Use good personal hygiene practices. Avoid contact with eyes. Use respiratory equipment as requires. Keep closed containers in a cool dry place.

8. Exposure Controls / Personal Protection

Respiratory Protection

- May need to wear a Particulate Respirator mask. Provide exhaust ventilation as needed.

Skin Protection

- Wear impervious gloves when handling this material.

Eye Protection

- Wear safety glasses with non-perforated side shields. Always wear eye protection when handling chemicals.

Hygiene

- Avoid contact with skin, eyes, and clothing. Wash hands before eating, drinking or smoking.

9. Physical and Chemical Properties

Appearance	➤ White
Odor	➤ Little or None
Boiling Point	➤ 1500°C (2732°F)
Melting Point	➤ 772°C (1422°F)
Specific Gravity	➤ 1.85-1.99
Vapor Pressure	➤ N/A
Evaporation Rate	➤ N/A
Solubility in Water	➤ Soluble
PH	➤ 5-10 in a 5% solution

10. Stability and Reactivity

Product Stability	➤ Stable, if stored and handled correctly. Material is hygroscopic (may absorb moisture from air).
Hazardous Polymerization	➤ Will not occur.
Materials to Avoid	➤ Bromine Trifluoride: Potassium Permanganate Sulfuric acid. Can react with noble metal or other strong acids.
Hazardous Decomposition Products	➤ Oxides of the contained metal and halogen. Free or Ionic Halogen

11. Toxicological Information

Oral Rat LD50	➤ 2600mg/kg: Irritation eye rabbit (standard draize) ➤ 500mg/24hr. mild: Investigate as a mutagen.
NTP Carcinogen	
Ingredient	➤ Proprietary
Known	➤ No

- Anticipated** ➤ No
- IARC Category** ➤ No

12. Disposal Considerations

- Disposal** ➤ Product not recovered or recycled should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

- Proper Transport** ➤ Transport not regulated by USA DOT shipping

15. Regulatory Information

US Federal Regulations

Chemical Weapons Convention (CWC): This product contains no chemicals listed under the CWC schedules of chemicals.

Chemical Inventory Status – Part 1

Ingredient	TSCA	EC	Japan	Australia
Proprietary	Yes	Yes	Yes	Yes

Chemical Inventory Status – Part 2

Ingredient	Korea	DSL	NDSL	PH.L
Proprietary	Yes	Yes	No	Yes

Federal, State and International Regulations – Part 1

Ingredient	SARA 302		SARA 313	
	RQ	TPQ	List	Chemical Catg.
Proprietary	No	No	No	No

Ingredient	Cercla	RCRA 2bl.33	TSCA
Proprietary	No	No	No
	CWC	TSCA 12	COTA
	No	No	No

SARA 311/312

Reactivity	Acute	Chronic	Fire	Pressure
No	No	No	No	No

Australian Hazchem Code: ➤ None allocated

Poison Schedule: ➤ None allocated

Clean Air Act – Hazardous Air Pollutants (HAP)

The following chemicals are listed as hazardous pollutants (HAP) under the U.S. Clean Air Act, Section 12 (40LFR 61).

Chemical Name ➤ 2-Propenamide
Common Name ➤ Acrylamide
Percent in Composition ➤ <0.1% by wt.
CAS RN ➤ 79-06-1

Chemical Name ➤ Acrylic Acid (impurity)
CAS RN ➤ 79-10-7
Percent in Composition ➤ <0.5% by wt.

Clean Air Act

Ozone Depleting Substance ➤ None as defined by the U.S. Clean Air Act Section 602 (40CFR 82)

Clean Water Act

Priority Pollution

- None listed under the U.S. Clean Water Act Section 307 [2] (1) Priority Pollutant List (40 CFR 401.15).

Occupational Safety and Health Act

- Not considered to be a hazardous chemical under the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Resource Conservation and Recovery Act

- This product not considered to be a P or U listed hazardous waste under RCRA (40 CFR 261) SARA Title III

Section 302 Extremely Hazardous Substances (EHS)

- This product contains chemicals regulated under Section 302 (40 CFR 355) as extremely hazardous substances.

Chemical Name

- Acrylamide

CAS RN

- 79-06-1

Percent Composition

- <0.10% by wt.

SARA III Section 304 CERCLA

- This product contains the following chemicals regulated under section 304 (40 CFR 302) SARA Title III

Chemical Name

- 2-Propenamide

Common Name

- Acrylamide

CAS RN

- 79-06-1

Percent in Composition

- <0.1% by wt.

Component RQ

- 5000

Chemical Name

- Acrylic Acid (impurity)

CAS RN

- 79-10-7

Percent in Composition

- <0.5% by wt.

Component RQ	➤ 5000
SARA Title III Section 311/312 (40 CFR 370) Hazard Communication Standard	➤ Not regulated
SARA Title III Section 313 (40 CFR 372) Toxic Chemical List	➤ Not regulated
TSCA Section 5(e) Consent Order/SNUR Significant New Use Rule TSCA – Inventory Status TSCA – Export Notification	➤ Not subject to consent order ➤ All chemical components listed or exempt ➤ This product contains chemicals that are subject to section 12(b) export notification
Chemical Name CAS RN	➤ Acrylic Acid (impurity) ➤ 79-10-7
Canadian Inventory Status	➤ All components listed on the Canadian Domestic Substance list
Canadian WHMIS	➤ No components of this product listed on the Canadian WHMIS Ingredient Disclosure List

State Regulations

California Proposition 65

The following is required composition information. This product contains the following chemical(s) which are listed on the California list of Known Carcinogens and Reproductive Toxins.

Chemical Name	➤ Acrylamide
CAS RN	➤ 79-06-1
Percent in Composition	➤ <0.10% by wt.

Massachusetts Right to Know

The following is required composition information.

Chemical Name

➤ Inorganic Salt

CAS RN

➤ Confidential

Percent in Composition

➤ <10% by wt.

Chemical Name

➤ Acrylic Acid (impurity)

CAS RN

➤ 79-10-7

Percent in Composition

➤ <.05% by wt.

Chemical Name

➤ 2-Propenamide

Common Name

➤ Acrylamide

CAS RN

➤ 79-06-1

Percent in Composition

➤ <0.1% by wt.

➤

New Jersey Right to Know

The following is required composition information.

Chemical Name

➤ Copolymer of Acrylamide: Sodium Acrylate

CAS RN

➤ 25085-02-3

Chemical Name

➤ Urea

CAS RN

➤ 57-13-6

Chemical Name

➤ Water

CAS RN

➤ 7732-18-5

Pennsylvania Right to Know

The following is required composition information.

Chemical Name

➤ Copolymer of Acrylamide: Sodium Acrylate

CAS RN

➤ 25085-02-3

Other Information

SDS Reviewed / Revised

1/12/2016

Updates

Hazard Identification

Accidental Release Measures

Questions

tcit@turbochem.com

P: 337-237-3098

F: 337-235-0101

Disclaimer of Liability

The information provided in the Safety Data Sheet has been obtained from sources believed to be reliable. TCI provides no warranties; either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration, and investigation. You should satisfy yourself that you have all current data relevant to your particular use.