

# Safety Data Sheet

## Section 1

### Identification of the Substance and of the Supplier

#### 1.1 Product Identifier

<b>Product Name/Identification:</b>	TPH 3403u
<b>Synonyms:</b>	Anionic water-soluble polymer
<b>Product Code:</b>	Not applicable
<b>Formula:</b>	Not applicable

#### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

<b>Relevant Identified Uses:</b>	Process aid for industrial applications
<b>Uses Advised Against:</b>	None known

#### 1.3 Details of the Supplier of the SDS

<b>Manufacturer/Supplier:</b>	Tons Per Hour, Inc.
<b>Street Address:</b>	8717 Humble Westfield Rd.
<b>City, State and Zip Code:</b>	Humble, TX 77338
<b>Customer Service Telephone:</b>	916-663-3800

#### 1.4 Emergency Telephone Number

<b>Emergency Phone Number:</b>	916-663-3800
<b>Hours Available:</b>	24/7

## Section 2

### Hazards Identification

#### 2.1 Classification of the Substance

Product is not classified as hazardous or dangerous.

**Section 3**  
**Composition/Information on Ingredients**

*Identification of the preparation:* Anionic water-soluble polymer

**Section 4**  
**First Aid Measures**

**4.1 Description of First Aid Measures**

<b>Inhalation:</b>	Move to fresh air.
<b>Skin Contact:</b>	Wash with water and soap as a precaution. In case of persistent skin irritation, consult a physician.
<b>Eye Contact:</b>	Rinse thoroughly with plenty of water, also under the eyelids. In case of persistent eye irritation, consult a physician.
<b>Ingestion:</b>	The product is not considered toxic based on studies on laboratory animals.

**4.2 Indication of Any Immediate Medical Attention and Special Treatment Needed**

Seek first aid or call a doctor or Poison Control Center if contact with eyes occurs and irritation remains after rinsing.

**Section 5**  
**Firefighting Measures**

**5.1 Extinguishing Media**

<b>Suitable Extinguishing Media:</b>	Dry chemical, carbon dioxide (CO <sub>2</sub> ), water spray
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**5.2 Special Hazards Arising From the Substance or Mixture**

<b>Hazardous Combustion Products:</b>	None known.
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**5.3 Advice for Firefighters**

<b>Special Protective Equipment and Precautions for Firefighters:</b>	Aqueous solutions or powders that become wet render surfaces extremely slippery, no special equipment required.
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**Section 6**  
**Accidental Release Measures**

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures**

<b>Personal precautions/Protective Equipment:</b>	No special precautions required
<b>Emergency procedures:</b>	Use scooping, water spraying/flushing/misting or ventilated vacuum cleaning systems to clean up spills. Do not use pressurized air.

**6.2 Environmental precautions**

<b>Environmental precautions:</b>	Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
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**6.3 Methods and Material for Containment and Cleaning Up**

<b>Methods and materials for containment and cleaning up:</b>	Product becomes slippery when wet. Take up mechanically and collect into suitable containers for disposal. Flush with water. Prevent product from entering drains. Dispose of in compliance with local and national regulations.
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See Sections 8 and 13 for additional information on exposure controls and disposal.

**Section 7**  
**Handling and Storage**

**7.1 Precautions for Safe Handling**

Safe handling advice: Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Wash hands before breaks and at the end of workday.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in keep in a dry, cool place (0 – 35 °C). To avoid product degradation and equipment corrosion, do not use iron, copper or aluminum containers or equipment.  
Materials to avoid: Strong oxidizing agents

**Section 8**  
**Exposure Controls/Personal Protection**

**8.1 Control Parameters**

Contains no substances with occupational exposure limit values. These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

**8.2 Exposure Controls**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

**8.2.1 Engineering Controls**

Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

**8.2.2 Personal Protective Equipment (PPE)**

<b>Respiratory protection:</b>	Dust safety masks (filter P2) are recommended where concentration of total dust is more than 10 mg/m <sup>3</sup> .
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<b>Eye and face protection:</b>	Safety glasses with side-shields. Do not wear contact lenses.
<b>Hand and skin protection:</b>	Rubber gloves.

<b>Section 9</b> <b>Physical and Chemical Properties</b>
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**9.1 Information on Basic Physical and Chemical Properties**

Property: Value	Property: Value
<b>Appearance (physical state, color, etc.):</b> Granular Solid, white	<b>Upper/lower flammability or explosive limits:</b> Not determined
<b>Odor:</b> None	<b>Vapor Pressure (Pa):</b> Not determined
<b>Odor threshold:</b> None	<b>Vapor Density:</b> Not determined
<b>pH :</b> 7-9 @0.5g/l	<b>Specific gravity or relative density:</b> Not determined
<b>Melting point/freezing point (°C):</b> Not applicable	<b>Water Solubility:</b> Not determined
<b>Initial boiling point and boiling range (°C):</b> Not applicable	<b>Partition coefficient: n-octane/water:</b> Not determined
<b>Flash point (°C):</b> Not applicable	<b>Auto ignition temperature (°C):</b> Not determined
<b>Evaporation rate:</b> Not applicable	<b>Decomposition temperature (°C):</b> Not determined
<b>Flammability (solid, gas):</b> Not applicable	<b>Viscosity:</b> Not determined

**Section 10**  
**Stability and Reactivity**

<b>10.1 Reactivity:</b>	The material is an inert, inorganic material primarily composed of elemental oxides.
<b>10.2 Chemical stability:</b>	Product is stable. No hazardous polymerization will occur.
<b>10.3 Possibility of hazardous reactions:</b>	Product will not undergo hazardous polymerization
<b>10.4 Conditions to avoid:</b>	Oxidizing agents may cause exothermic reactions.
<b>10.5 Incompatible materials:</b>	Not determined
<b>10.6 Hazardous decomposition products:</b>	Thermal decomposition may produce: ammonia, carbon dioxide (CO <sub>2</sub> ), carbon monoxide (CO), nitrogen oxides (NO <sub>x</sub> )

**Section 11**  
**Toxicological Information**

**11.1 Information on Toxicological Effects**

<b>Endpoint</b>	<b>Data</b>
Acute oral toxicity	LD 50: > 5,000 mg/kg Species: Rat
Acute dermal toxicity	The results of testing on rabbits showed this material to be non-toxic even at high dose levels.
Acute inhalation toxicity	The product is not expected to be toxic by inhalation.
Skin corrosion/irritation	Skin: The results of testing on rabbits showed this material to be non-irritating to the skin.
Eye damage/irritation	Testing conducted according to the Draize technique showed the material produces no corneal or iridial effects and only slightly transitory conjunctival effects similar to those which all Granular materials have no conjunctivae.

Endpoint	Data
Respiratory/skin sensitization	The results of testing on guinea pigs showed this material to be non-sensitizing.

**Section 12**  
**Ecological Information**

**12.1 Toxicity**

Fish	LC 50: >100 mg/l Exposure time: 96 h Species: <i>Danio rerio (zebra fish)</i>
Daphnia and other aquatic organisms	EC 50: >100 mg/l Exposure time: 48 h Species: <i>Water flea (Daphnia magna)</i> Method: OECD Test Guideline 202

**12.2 Persistence and Degradability**

Not readily biodegradable

**12.3 Bioaccumulative Potential**

Does not bioaccumulate

**12.4 Mobility in Soil**

No data available.

**12.5 Results of PBT and vPvB Assessment**

No data available.

**12.6 Other Adverse Effects**

None known.

**Section 13**  
**Disposal Considerations**

*Waste from residues / unused products: In accordance with federal, state, and local regulations.*

*Contaminated packaging: Rinse empty containers with water and use the rinse-water to prepare the working solution. Can be landfilled or incinerated, when in compliance with local regulations.*

**Section 14  
 Transport Information**

<b>Regulatory entity:</b> U.S. DOT	Shipping Name:	Not Regulated
	Hazard Class:	Not Regulated
	ID Number:	Not Regulated
	Packing Group:	Not Regulated

**Section 15  
 Regulatory Information**

**15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Mixture**

- **California Proposition 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Section 16  
 Other Information, Including Date of Preparation or Last Revision**

**16.1 Indication of Changes**

Date of preparation or last revision: June 3<sup>rd</sup>, 2015



**DISCLAIMER:**

*This SDS has been prepared in accordance with the Hazard Communication Rule 29 CFR 1910.1200. Information herein is based on data considered to be accurate as of date prepared. No warranty or representation, express or implied, is made as to the accuracy or completeness of this data and safety information. No responsibility can be assumed for any damage or injury resulting from abnormal use, failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.*