

# Frontier Specialty Chemicals Inc.

## Safety Data Sheet

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<http://www.frontiersci.com>

### 1. PRODUCT IDENTIFICATION OF SUBSTANCE/MIXTURE AND SUPPLIER INFORMATION

Product form: Liquid  
Product Name: 2-(Tributylstannyl)pyridine  
CAS No.: 17997-47-6  
Formula: C<sub>17</sub>H<sub>31</sub>NSn  
FSCI Catalog #: T3254  
Emergency Tel No: Chemtrec 1-800-424-9300

### 2. HAZARDS IDENTIFICATION---Label Information

Signal Word

**Danger**

Hazard Statement(s)

H226: Flammable liquid and vapor

H301: Toxic if swallowed



H312: Harmful in contact with skin

H319: Causes serious eye irritation

H372: Causes damage to organs through prolonged or repeated exposure

H410: Very toxic to aquatic life with long lasting effects

**General Risk:**

Avoid inhalation, contact with skin or eyes, and ingestion. Always use personal protective

Equipment when handling this compound. (Additional information may be included in SDS)

**Precautionary Statements**

P233-Keep container tightly closed.

P233-Store in a well-ventilated place. Keep container tightly closed.

P235-Keep cool.

P235-Store in a well-ventilated place. Keep cool.

P240-Ground/bond container and receiving equipment.

P241-Use explosion-proof electrical/ventilating/lighting?&/equipment.

P242-Use only non-sparking tools.

P243-Take precautionary measures against static discharge.P264-Wash hands thoroughly after handling.

## **Precautionary Statements Continued**

P264-Wash skin thoroughly after handling.  
P270-Do not eat, drink or smoke when using this product.  
P273-Avoid release to the environment.  
P280-Wear protective gloves/protective clothing/eye protection/face  
P301-IF SWALLOWED Rinse mouth. Do not induce vomiting.  
P302-IF ON SKIN Wash with plenty of soap and water  
P303-IF ON SKIN (or hair)  
P305-IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P310-Immediately call a POISON CENTER or doctor/physician.  
P312-Call a POISON CENTER or doctor/physician if you feel unwell.  
P314-Get medical advice/attention if you feel unwell.  
P321-Specific treatment (see†& on this label).  
P322-Specific measures (see†&on this label).  
P330-Rinse mouth.  
P337-If eye irritation persists:  
P338-Remove contact lenses, if present and easy to do. Continue rinsing.  
P351-Rinse cautiously with water for several minutes.  
P352-Wash with plenty of soap and water.  
P353-Rinse skin with water/shower.  
P361-Remove/Take off immediately all contaminated clothing.  
P370-In case of fire:  
P378-Use†& for extinction.  
P403-Protect from sunlight. Store in a well-ventilated place.  
P501-Dispose of contents/container to appropriate regulated hazardous waste stream

## **3. COMPOSITION / Information on INGREDIENTS**

**Product Name:** 2-(Tributylstannyl)pyridine  
**CAS No.:** 17997-47-6  
**Formula:** C<sub>17</sub>H<sub>31</sub>NSn  
**Appearance:** Liquid – yellow color

## **4. FIRST AID MEASURES**

**Inhalation:** Remove to fresh air. In cases of serious discomfort, seek medical attention. If not breathing, trained personnel should administer oxygen or artificial respiration.

**Eye Contact:** Flush with copious amounts of water for at least 20 minutes. Seek immediate medical Attention.

**Skin Contact:** Remove contaminated clothing. Rinse affected area with copious amounts of water. Rinse thoroughly. In case of skin damage or persistent irritation, seek immediate medical attention. Show the physician the container details.

**Ingestion:** Call a physician or poison control center immediately. Induce vomiting only if instructed to do so by medical personnel. Seek immediate medical attention.

## **5. FIRE FIGHTING MEASURES**

**Extinguishing Medium:** Use firefighting measures which suit the environment and take into account other materials which may be involved. Use carbon dioxide or dry powder for fires involving this material. In general, water-based extinguishers are not recommended for fires involving organic materials.

**Protective Equipment:** Wear self-contained breathing apparatus and protective clothing. Most compounds emit toxic Gases when burning.

## **6. ACCIDENTAL RELEASE MEASURES**

**Personal Protection:** Avoid inhalation or contact of spilled material with skin or clothing. Wear protective clothing. Keep unprotected persons away.

**Environmental Protection:** Take precautions to ensure product does not contaminate the ground or enter the drainage system.

**Collection:** Contain or absorb, as appropriate. Minimize dust generation, where applicable. Dispose According to Section 13.

## **7. HANDLING AND STORAGE**

**Handling:** Chemicals should be used only by those trained in handling potentially hazardous materials. Impervious gloves, eye protection and protective clothing should be worn. Operations Should be carried out in efficient fume hood or equivalent system. Avoid breathing or dust, Vapor, mist, or gas.

**Storage:** Store in a cool dry, well-ventilated area. Store in a tightly sealed container. Protect from moisture, heat, ignition sources, and incompatible substances. Protect from direct light. See stability and reactivity for more details on incompatible substances if available.

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Respiratory:** Avoid inhalation of product. Handle in an efficient fume hood or equivalent system. Keep unprotected persons away.

**Eye: Protection:** Avoid eye contact. Wear safety glasses, goggles or, for larger quantities, a full-face shield. system.

**Hands and Body:** Avoid skin contact. Wear Impervious gloves and, for larger quantities, a full arm and body protection. Wash hands thoroughly after handling.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Liquid - Yellow color
<b>Boiling Point:</b>	Not specified
<b>Melting Point:</b>	Not specified
<b>Water Solubility:</b>	Ether, Hexanes, THF
<b>Flash Point:</b>	23.9 deg C
<b>Formula Weight:</b>	368.13
<b>Density:</b>	1.137 g/cm <sup>3</sup> @ 25 deg C

## **Physical and Chemical Properties Continued:**

<b>Lower Explosive Limit:</b>	No data available
<b>Upper Explosive Limit:</b>	No data available
<b>PEL:</b>	TWA 0.1 mg/m <sup>3</sup> - OSHA Table Z-1
<b>Auto Ignition Point:</b>	No data available

## **10. STABILITY AND REACTIVITY**

<b>10.1 Reactivity:</b>	No data available
<b>10.2 Chemical stability:</b>	No data available
<b>10.3 Possibility of hazardous reactions:</b>	No data available
<b>10.4 Conditions to avoid:</b>	No data available
<b>10.5 Incompatible materials:</b>	No data available
<b>10.6 Hazardous decomposition products other decomposition products</b>	- No data available
<b>10.7 Hazardous decomposition products formed under fire conditions.</b>	- No data available

## **11. TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects:** The full toxicological effects of this compound have not been studied. However, as a minimum precaution, it should be considered to be harmful. Hazardous decomposition products may occur when this compound comes in contact with other chemicals, fire, or water.

<b>Acute toxicity:</b>	No data available
<b>Skin corrosion/irritation:</b>	No data available
<b>Ames test Result:</b>	No data available
<b>Carcinogenicity IARC:</b>	No data available
<b>NTP:</b>	No data available
<b>OSHA:</b>	No data available
<b>Reproductive toxicity:</b>	No data available
<b>Specific target organ toxicity:</b>	No data available
<b>Single exposure Inhalation:</b>	No data available
<b>Repeated exposure:</b>	No data available
<b>Aspiration hazard:</b>	No data available

## **12. ECOLOGICAL EFFECTS**

Take care to prevent chemicals from entering the ground, water bodies, or drainage systems.

### **13. DISPOSAL CONSIDERATIONS**

Disposal should be carried out via an approved contractor according to all federal, state and local regulations.

### **14. TRANSPORT INFORMATION**

**UN Number:** UN 2929  
**Packing Group:** II  
**Hazard Class:** 6.1 (3)  
**DOT: Ship Name:** Toxic liquids, flammable organic, n.o.s. (2-(Tributylstannyl)pyridine)  
**Other Information:** No data Class 6.1 Toxic

### **15. REGULATORY INFORMATION**

**U.S. Federal regulations:** None available

**SARA 313 Reportable Chemicals**  
**Form R – Reporting requirements**

<b>Product name:</b>	<b>CAS/313 Category Codes</b>	<b>%</b>
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### **16. OTHER INFORMATION**

The information on this Safety Data Sheet is correct to the best knowledge as of the date of publication. This information should be used only as a guide and is not a guarantee of any specific properties. All chemicals should be handled by qualified personnel using proper handling precautions. FSSI cannot accept liability for any loss, damage, or injury that results from the use of this chemical.

THIS SUBSTANCE IS FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY.