

Revision number: 1 Revision date: 11/19/2013

1. IDENTIFICATION

Product name: Product code: 2-Thiopheneboronic Acid (contains varying amounts of Anhydride) T1772

Emergency telephone number:

TCI America (8:00am - 5:00pm) PST

Chemical Emergencies:

Transportation Emergencies:

+1-703-527-3887 (International) Responsible department:

Environmental Health Safety and Security

+1-503-286-7624

Chemtrec 24-Hour +1-800-424-9300 (U.S.A.)

+1-503-286-7624

TCI America

TCI AMERICA

SAFETY DATA SHEET

Product use: Restrictions on use:

Company:

TCI America 9211 N. Harborgate Street Portland, OR 97203 U.S.A. Telephone: +1-800-423-8616 / +1-503-283-1681 Fax: +1-888-520-1075 / +1-503-283-1987 e-mail: sales@tciamerica.com www.TCIchemicals.com

2. HAZARD(S) IDENTIFICATION

OSHA Haz Com: CFR 1910.1200:

Skin Corrosion/Irritation [Category 2] Eye Damage/Irritation [Category 2A]

For laboratory research purposes.

Not for drug or household use.

Signal word:

Warning!

None

Hazard Statement(s):

Causes serious eye irritation Causes skin irritation

Pictogram(s) or Symbol(s):



Precautionary Statement(s): [Prevention] [Response]

> [Storage] [Disposal]

Wash hands and face thoroughly after handling. Wear protective gloves. Wear eye and face protection. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. 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 or attention. None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Components: Percent: CAS Number: Molecular Weight: Chemical Formula: Synonyms: Substance 2-Thiopheneboronic Acid (contains varying amounts of Anhydride) 6165-68-0127.95 $C_4H_5BO_2S$ 2-Thienylboronic Acid

4. FIRST-AID MEASURES	
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Inhalation:	Call a poison center or doctor if you feel unwell. Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and
	take precautions to protect themselves.
Skin contact: If skin irritation occurs get medical advice/attention. Remove and wash contaminated c use. In case of contact with substance, immediately flush skin with running water for at	
	Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s)
Eye contact:	involved and take precautions to protect themselves. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Contact with
	material may irritate or burn eyes. Call emergency medical service. Move victim to fresh air. Check for and
	remove any contact lenses. Keep victim warm and quiet. Treat symptomatically and supportively. Effects of exposure to substance may be delayed. Ensure that medical personnel are aware of the material(s)
	involved and take precautions to protect themselves.
Ingestion:	Do not induce vomiting with out medical advice. If swallowed, seek medical advice immediately and show the container or label. Do not use mouth-to-mouth method if victim ingested the substance; give artificial
	respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory
	medical device. Loosen tight clothing such as a collar, tie, belt or waistband. If a person vomits place them in the recovery position so that vomit will not reenter the mouth and throat. Rinse mouth. Keep victim warm
	and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the
	material(s) involved and take precautions to protect themselves.
Symptoms/effects:	
Acute: Delaved:	Redness. No data available
Delayeu.	
Immediate medical attention:	If breathing has stopped, perform artificial respiration. Use first aid treatment according to the nature of the
	injury. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
5. FIRE-FIGHTING MEASURES	
Suitable extinguishing media:	Dry chemical, CO ₂ , sand, earth, water spray or regular foam Consult with local fire authorities before
	attempting large scale fire fighting operations.
Specific hazards arising from the chem	lical
Hazardous combustion products: Other specific hazards:	
	These products include: Carbon oxides Borates Silicates
Other specific hazards:	Closed containers may explode from heat of a fire.
Special precautions for fire-fighters:	Closed containers may explode from heat of a fire.
Special precautions for fire-fighters: Use water spray or fog; do not use straigh heated. Move containers from fire area if	Closed containers may explode from heat of a fire. It streams. Dike fire-control water for later disposal; do not scatter the material. Containers may explode when you can do it without risk.
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Methods and materials for containment and cleaning up:

ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if without risk. Ventilate the area. Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Use clean non-sparking tools to collect absorbed material. Environmental precautions: Prevent further leakage or spillage if safe to do so. Water runoff can cause environmental damage. Prevent entry into sewers, basements or confined

areas; dike if needed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits: No data available

Appropriate engineering controls:

Good general ventilation should be sufficient to control airborne levels. Ventilation is normally required when handling or using this product. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical.

Personal protective equipment	
Respiratory protection:	Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.
Hand protection:	Nitrile gloves.

Safety glasses.

Lab coat.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Form: Color: Odor: Odor threshold:	Solid Crystal - Powder White - Pale yellow No data available No data available		
Melting point/freezing point: Boiling point/range: Decomposition temperature: Relative density: Kinematic viscosity:	No data available No data available No data available No data available No data available No data available	pH: Vapor pressure: Vapor density: Dynamic Viscosity:	No data available No data available No data available No data available
Partition coefficient: n-octanol/water (log Pow)	No data available	Evaporation rate: (Butyl Acetate = 1)	No data available
Flash point: Flammability (solid, gas):	No data available No data available	Autoignition temper Flammability or exp Lower: Upper:	

Solubility(ies):

Eye protection:

Skin and body protection:

10. STABILITY AND REACTIVITY

Reactivity: Chemical Stability: Possibility of Hazardous Reactions: Conditions to avoid: Incompatible materials: Hazardous Decomposition Products: Not Available. Heat sensitive. No hazardous reactivity has been reported. Heat sensitive. Oxidizing agents No data available

11. TOXICOLOGICAL INFORMATION

RTECS Number: No data available

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Acute Toxicity: No data available		
Skin corrosion/irritation: No data available		
Serious eye damage/irritation: No data available		
Respiratory or skin sensitization: No data available		
Germ cell mutagenicity: No data available		
Carcinogenicity:		
No data available		
IARC: No data available	NTP: No data available OSHA: No c	lata available
Reproductive toxicity: No data available		
Routes of Exposure:	Inhalation, Eye contact, Ingestion, Skin contact.	
Symptoms related to exposure: Skin contact may result in inflammation; cha or dry skin. Eye contact may result in redne Potential Health Effects:	aracterized by itching, scaling, reddening, or occasionally blistering. Skin conta ss or pain.	ct may result in redness, pain
Skin and eye contact may result in irritation. Target organ(s):	No data available	
12. ECOLOGICAL INFORMATION		
Ecotoxicity		
Fish: Crustacea:	No data available No data available	
Algae:	No data available	
Persistence and degradability:	No data available	
Bioaccumulative potential (BCF):	No data available	
Mobillity in soil: Partition coefficient:	No data available No data available	
n-octanol/water (log Pow)	N 1 1 1 1	
Soil adsorption (Koc): Henry's Law:	No data available No data available	
constant (PaM ³ /mol)		
13. DISPOSAL CONSIDERATIONS		
Disposal of product:	Recycle to process if possible. It is the generator's responsibility to comply w rules and regulations. You may be able to dissolve or mix material with a cor chemical incinerator equipped with an afterburner and scrubber system. This assistance but does not replace these laws, nor does compliance in accorda regulatory compliance according to the law. US EPA guidelines for Identifica Waste are listed in 40 CFR Parts 261. The product should not be allowed to water ways, or the soil.	nbustible solvent and burn in a section is intended to provide ince with this section ensure tion and Listing of Hazardous
Disposal of container: Other considerations:	Dispose of as unused product. Do not re-use empty containers. Observe all federal, state and local regulations when disposing of the substa	200
	Observe an rederar, state and local regulations when disposing of the substa	
14. TRANSPORT INFORMATION		
DOT (US)	Non-hazardous for transportation.	
IATA	Non-hazardous for transportation.	
IMDG	Non-hazardous for transportation.	

15. REGULATORY INFORMATION

Toxic Substance Control Act (TSCA 8b.):

This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list:

(i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec.

HMIS Classification:

2 0 0

(ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on a SDS sheet.

US Federal Regulations

CERCLA Hazardous substance and Reportable Quantity:

A 313:	Not Listed
A 302:	Not Listed

State Regulations

SAR SAR

State Right-to-Know

Massachusetts	Not Listed
New Jersey	Not Listed
Pennsylvania	Not Listed
California Proposition 65:	Not Listed

Other Information

NFPA Rating	:
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Health:	2	Health:
Flammability:	0	Flammability:
Instability:	0	Physical:

International Inventories

WHMIS hazard class: D2B: Materials causing other toxic effects. (Toxic) Notice Through Official Gazettes Reference Number: (Japan) ENCS: Not Listed

16. OTHER INFORMATION

Revision date: 11/19/2013

Revision number: 1

TCI chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.