

# SAFETY DATA SHEET

CRS BTX standards, 100ng, Part Number C-BTX100NG

## Section 1. Identification

**Product identifier** : CRS BTX standards, 100ng, Part Number C-BTX100NG

**Part no. (chemical kit)** : C-BTX100NG

**Part no.** :  Shipping Blank Not available.  
 Sample Tubes Not available.

### Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** :  Reagents and Standards for Analytical Chemistry Laboratory Use tubes- 3.5"x 0.25" Stainless Steel with brass storage caps

Shipping Blank 1 x 200 mg  
 Sample Tubes 10 x 200 mg

**Supplier/Manufacturer** : Agilent Technologies, Inc.  
 5301 Stevens Creek Blvd  
 Santa Clara, CA 95051, USA  
 800-227-9770

**Emergency telephone number (with hours of operation)** : CHEMTREC®: 1-800-424-9300

## Section 2. Hazard identification

### Classification of the substance or mixture

#### Shipping Blank

H315 COMBUSTIBLE DUSTS - Category 1  
 H319 SKIN IRRITATION - Category 2  
 H335 EYE IRRITATION - Category 2A  
 H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

#### Sample Tubes

H315 COMBUSTIBLE DUSTS - Category 1  
 H319 SKIN IRRITATION - Category 2  
 H335 EYE IRRITATION - Category 2A  
 H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

### GHS label elements

#### Hazard pictograms

:  Shipping Blank



Sample Tubes



#### Signal word

:  Shipping Blank  
 Sample Tubes

Warning  
 Warning

## Section 2. Hazard identification

<b>Hazard statements</b>	: Shipping Blank	H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation. May form combustible dust concentrations in air.
	Sample Tubes	H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation. May form combustible dust concentrations in air.
<b>Precautionary statements</b>		
<b>Prevention</b>	: Shipping Blank	P280 - Wear protective gloves. Wear eye or face protection. P261 - Avoid breathing dust or mist. P264 - Wash thoroughly after handling.
	Sample Tubes	P280 - Wear protective gloves. Wear eye or face protection. P261 - Avoid breathing dust or mist. P264 - Wash thoroughly after handling.
<b>Response</b>	: Shipping Blank	P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell. P362 + P364 - Take off contaminated clothing and wash it before reuse. P302 + P352 - IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
	Sample Tubes	P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell. P362 + P364 - Take off contaminated clothing and wash it before reuse. P302 + P352 - IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
<b>Storage</b>	: Shipping Blank	P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
	Sample Tubes	P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
<b>Disposal</b>	: Shipping Blank	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	Sample Tubes	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Supplemental label elements</b>	: Shipping Blank	Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.
	Sample Tubes	Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.
	Sample Tubes	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 100%

## Section 2. Hazard identification

**Other hazards which do not result in classification** : Shipping Blank None known.  
Sample Tubes None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Shipping Blank Substance  
Sample Tubes Mixture

Ingredient name	Synonyms	% (w/w)	CAS number
<b>Shipping Blank</b>			
Poly(oxy[1,1':3',1"-terphenyl]-2',5'-diyl)-	TENAX TA 60/80 (HT)	100	24938-68-9
<b>Sample Tubes</b>			
Poly(oxy[1,1':3',1"-terphenyl]-2',5'-diyl)-	TENAX TA 60/80 (HT)	≥80	24938-68-9

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First-aid measures

### Description of necessary first aid measures

<b>Eye contact</b>	: Shipping Blank	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	Sample Tubes	
<b>Inhalation</b>	: Shipping Blank	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-
	Sample Tubes	

## Section 4. First-aid measures

**Skin contact** : Shipping Blank

Sample Tubes

to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion** : Shipping Blank

Sample Tubes

Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact** : Shipping Blank  
Sample Tubes

Causes serious eye irritation.  
Causes serious eye irritation.

**Inhalation** : Shipping Blank  
Sample Tubes

May cause respiratory irritation.  
May cause respiratory irritation.

**Skin contact** : Shipping Blank  
Sample Tubes

Causes skin irritation.  
Causes skin irritation.

**Ingestion** : Shipping Blank  
Sample Tubes

No known significant effects or critical hazards.  
No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

## Section 4. First-aid measures

<b>Eye contact</b>	: Shipping Blank	Adverse symptoms may include the following: pain or irritation watering redness
	Sample Tubes	Adverse symptoms may include the following: pain or irritation watering redness
<b>Inhalation</b>	: Shipping Blank	Adverse symptoms may include the following: respiratory tract irritation coughing
	Sample Tubes	Adverse symptoms may include the following: respiratory tract irritation coughing
<b>Skin contact</b>	: Shipping Blank	Adverse symptoms may include the following: irritation redness
	Sample Tubes	Adverse symptoms may include the following: irritation redness
<b>Ingestion</b>	: Shipping Blank	No specific data.
	Sample Tubes	No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to physician</b>	: Shipping Blank	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Sample Tubes	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: Shipping Blank	No specific treatment.
	Sample Tubes	No specific treatment.
<b>Protection of first-aiders</b>	: Shipping Blank	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Sample Tubes	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	: Shipping Blank	Use dry chemical powder.
	Sample Tubes	Use dry chemical powder.
<b>Unsuitable extinguishing media</b>	: Shipping Blank	Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.
	Sample Tubes	Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.

## Section 5. Fire-fighting measures

<p><b>Specific hazards arising from the chemical</b></p>	<p>: Shipping Blank Sample Tubes</p>	<p>May form explosible dust-air mixture if dispersed. May form explosible dust-air mixture if dispersed.</p>
<p><b>Hazardous thermal decomposition products</b></p>	<p>: Shipping Blank  Sample Tubes</p>	<p>Decomposition products may include the following materials: carbon dioxide carbon monoxide Decomposition products may include the following materials: carbon dioxide carbon monoxide</p>
<p><b>Special protective actions for fire-fighters</b></p>	<p>: Shipping Blank  Sample Tubes</p>	<p>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.</p>
<p><b>Special protective equipment for fire-fighters</b></p>	<p>: Shipping Blank  Sample Tubes</p>	<p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</p>

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<p><b>For non-emergency personnel</b></p>	<p>: Shipping Blank  Sample Tubes</p>	<p>No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</p>
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## Section 6. Accidental release measures

**For emergency responders** : Shipping Blank

Sample Tubes

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".  
If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Shipping Blank

Sample Tubes

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Methods for cleaning up** : Shipping Blank

Sample Tubes

Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** : Shipping Blank

Sample Tubes

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with



## Section 7. Handling and storage

		<p>eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.</p>
<p><b>Advice on general occupational hygiene</b></p>	<p>: Shipping Blank</p> <p>Sample Tubes</p>	<p>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.</p> <p>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.</p>
<p><b>Conditions for safe storage, including any incompatibilities</b></p>	<p>: Shipping Blank</p> <p>Sample Tubes</p>	<p>Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> <p>Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p>



## Section 7. Handling and storage

## Section 8. Exposure controls/personal protection

### Control parameters

### Occupational exposure limits

None.

### Biological exposure indices

No exposure indices known.

- Appropriate engineering controls** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
- Individual protection measures**
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### Appearance

<b>Physical state</b>	: Shipping Blank Sample Tubes	Solid. [Powder.] Solid. [Powder.]						
<b>Color</b>	: Shipping Blank Sample Tubes	White. White.						
<b>Odor</b>	: Shipping Blank Sample Tubes	Odorless. Odorless.						
<b>Odor threshold</b>	: Shipping Blank Sample Tubes	Not available. Not available.						
<b>pH</b>	: Shipping Blank Sample Tubes	Not available. Not available.						
<b>Melting point/freezing point</b>	: Shipping Blank Sample Tubes	460°C (860°F) 460°C (860°F)						
<b>Boiling point, initial boiling point, and boiling range</b>	: Shipping Blank Sample Tubes	Not available. Not available.						
<b>Flash point</b>	: Shipping Blank Sample Tubes	Not applicable. Not applicable.						
<b>Evaporation rate</b>	: Shipping Blank Sample Tubes	Not available. Not available.						
<b>Flammability</b>	: Shipping Blank Sample Tubes	Not available. Not available.						
<b>Lower and upper explosion limit/flammability limit</b>	: Shipping Blank Sample Tubes	Not applicable. Not applicable.						
<b>Vapor pressure</b>	: Not available.							
<b>Relative vapor density</b>	: Shipping Blank Sample Tubes	Not applicable. Not applicable.						
<b>Relative density</b>	: Shipping Blank Sample Tubes	0.25 0.25						
<b>Solubility(ies)</b>	: <table border="1" data-bbox="516 1276 1510 1457"> <thead> <tr> <th>Media</th> <th>Result</th> </tr> </thead> <tbody> <tr> <td>Shipping Blank water</td> <td>Insoluble</td> </tr> <tr> <td>Sample Tubes water</td> <td>Insoluble</td> </tr> </tbody> </table>	Media	Result	Shipping Blank water	Insoluble	Sample Tubes water	Insoluble	
Media	Result							
Shipping Blank water	Insoluble							
Sample Tubes water	Insoluble							
<b>Partition coefficient: n-octanol/water</b>	: Shipping Blank Sample Tubes	Not applicable. Not applicable.						
<b>Auto-ignition temperature</b>	: Shipping Blank Sample Tubes	Not applicable. Not applicable.						
<b>Decomposition temperature</b>	: Shipping Blank Sample Tubes	Not available. Not available.						
<b>Viscosity</b>	: Shipping Blank Sample Tubes	Not applicable. Not applicable.						
<b>Particle characteristics</b>								
<b>Median particle size</b>	: Shipping Blank Sample Tubes	Not available. Not available.						

## Section 10. Stability and reactivity

<b>Reactivity</b>	: Shipping Blank Sample Tubes	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: Shipping Blank Sample Tubes	The product is stable. The product is stable.
<b>Possibility of hazardous reactions</b>	: Shipping Blank Sample Tubes	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: Shipping Blank  Sample Tubes	Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.
<b>Incompatible materials</b>	: Shipping Blank Sample Tubes	Reactive or incompatible with the following materials: oxidizing materials Reactive or incompatible with the following materials: oxidizing materials
<b>Hazardous decomposition products</b>	: Shipping Blank Sample Tubes	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not available.

#### Irritation/Corrosion

Not available.

#### Sensitization

Not available.

#### Mutagenicity

**Conclusion/Summary** : Not available.

#### Carcinogenicity

**Conclusion/Summary** : Not available.

## Section 11. Toxicological information

### Reproductive toxicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
<b>Shipping Blank</b> Poly(oxy[1,1':3',1"-terphenyl]-2',5'-diyl)-	Category 3	-	Respiratory tract irritation
<b>Sample Tubes</b> Poly(oxy[1,1':3',1"-terphenyl]-2',5'-diyl)-	Category 3	-	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Shipping Blank  
Sample Tubes

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

### Potential acute health effects

**Eye contact** : Shipping Blank  
Sample Tubes

Causes serious eye irritation.

Causes serious eye irritation.

**Inhalation** : Shipping Blank  
Sample Tubes

May cause respiratory irritation.

May cause respiratory irritation.

**Skin contact** : Shipping Blank  
Sample Tubes

Causes skin irritation.

Causes skin irritation.

**Ingestion** : Shipping Blank  
Sample Tubes

No known significant effects or critical hazards.

No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Shipping Blank  
  
Sample Tubes

Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

**Inhalation** : Shipping Blank  
  
Sample Tubes

Adverse symptoms may include the following:  
respiratory tract irritation  
coughing

Adverse symptoms may include the following:  
respiratory tract irritation  
coughing

## Section 11. Toxicological information

<b>Skin contact</b>	: Shipping Blank	Adverse symptoms may include the following: irritation redness
	Sample Tubes	Adverse symptoms may include the following: irritation redness
<b>Ingestion</b>	: Shipping Blank	No specific data.
	Sample Tubes	No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

**General** : Shipping Blank  
Sample Tubes

Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

**Carcinogenicity** : Shipping Blank  
Sample Tubes

No known significant effects or critical hazards.

No known significant effects or critical hazards.

**Mutagenicity** : Shipping Blank  
Sample Tubes

No known significant effects or critical hazards.

No known significant effects or critical hazards.

**Reproductive toxicity** : Shipping Blank  
Sample Tubes

No known significant effects or critical hazards.

No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

N/A

## Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

## Section 12. Ecological information

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

**TDG / IMDG / IATA** : Not regulated.

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to IMO instruments** : Not available.

## Section 15. Regulatory information

### Canadian lists

**Canadian NPRI** : None of the components are listed.

**CEPA Toxic substances** : None of the components are listed.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

**Canada** : Not determined.

**United States** : All components are active or exempted.

## Section 16. Other information

### History

**Date of issue/Date of revision** : 05/02/2024

**Date of previous issue** : 07/15/2021

**Version** : 3

### Key to abbreviations

: ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 HPR = Hazardous Products Regulations  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 N/A = Not available  
 UN = United Nations

### Procedure used to derive the classification

Classification	Justification
<b>Shipping Blank</b> COMBUSTIBLE DUSTS - Category 1 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	On basis of test data Calculation method Calculation method Calculation method
<b>Sample Tubes</b> COMBUSTIBLE DUSTS - Category 1 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	On basis of test data Calculation method Calculation method Calculation method

✔ Indicates information that has changed from previously issued version.

### Notice to reader

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