

SAFETY DATA SHEET



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

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : CRS BTX standards, 100ng, Part Number C-BTX100NG
Part no. (chemical kit) : C-BTX100NG
Part no. : Shipping Blank Not available.
 Sample Tubes Not available.

1.2 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
Uses advised against : None known.

1.3 Details of the supplier of the safety data sheet

Agilent Technologies LDA UK Ltd.
 5500 Lakeside Cheadle Royal Business Park,
 Cheadle, Cheshire, SK8 3GR
 United Kingdom
 Tel: +44 (0) 345 712 5292
e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

1.4 Emergency telephone number

Emergency telephone number (with hours of operation) : CHEMTREC®: +(44)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Shipping Blank Mono-constituent substance
 Sample Tubes Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Shipping Blank
 H315 SKIN CORROSION/IRRITATION Category 2
 H319 SERIOUS EYE DAMAGE/EYE IRRITATION Category 2
 H335 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE Category 3
 (Respiratory tract irritation)

Sample Tubes
 H315 SKIN CORROSION/IRRITATION Category 2
 H319 SERIOUS EYE DAMAGE/EYE IRRITATION Category 2
 H335 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE Category 3
 (Respiratory tract irritation)

Shipping Blank The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.
 Sample Tubes The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.



SECTION 2: Hazards identification

Ingredients of unknown toxicity	: <input checked="" type="checkbox"/> Sample Tubes	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: > 60% Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: > 60% Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: > 60%
Ingredients of unknown ecotoxicity	: <input checked="" type="checkbox"/> Sample Tubes	Contains 100% of components with unknown hazards to the aquatic environment

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms	: <input checked="" type="checkbox"/> Shipping Blank	
	Sample Tubes	
Signal word	: <input checked="" type="checkbox"/> Shipping Blank Sample Tubes	Warning Warning
Hazard statements	: <input checked="" type="checkbox"/> Shipping Blank	H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation.
	Sample Tubes	H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation.
<u>Precautionary statements</u>		
Prevention	: <input checked="" type="checkbox"/> 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.
Response	: <input checked="" type="checkbox"/> Shipping Blank	P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell.
	Sample Tubes	P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell.
Storage	: <input checked="" type="checkbox"/> 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.
Disposal	: <input checked="" type="checkbox"/> 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.
Hazardous ingredients	: <input checked="" type="checkbox"/> Sample Tubes	Poly(oxy[1,1':3',1"-terphenyl]-2',5'-diyl)-
Supplemental label elements	: <input checked="" type="checkbox"/> Shipping Blank Sample Tubes	Not applicable. Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: <input checked="" type="checkbox"/> Shipping Blank Sample Tubes	Not applicable. Not applicable.

SECTION 2: Hazards identification

Special packaging requirements

Containers to be fitted with child-resistant fastenings	: <input checked="" type="checkbox"/> Shipping Blank Sample Tubes	Not applicable. Not applicable.
Tactile warning of danger	: <input checked="" type="checkbox"/> Shipping Blank Sample Tubes	Not applicable. Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

	PBT	P	B	T	vPvB	vP	vB
<input checked="" type="checkbox"/> Shipping Blank No		N/A	N/A	No	N/A	N/A	N/A

Sample Tubes This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do not result in classification : Shipping Blank
Sample Tubes May form combustible dust concentrations in air.
May form combustible dust concentrations in air.

SECTION 3: Composition/information on ingredients

3.1 Substances : Shipping Blank
Sample Tubes Mono-constituent substance
Mixture

Product/ingredient name	Identifiers	%	Classification	Type
<input checked="" type="checkbox"/> Shipping Blank Poly(oxy[1,1':3',1"-terphenyl]-2',5'-diyl)-	CAS: 24938-68-9	100	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]
Sample Tubes Poly(oxy[1,1':3',1"-terphenyl]-2',5'-diyl)-	CAS: 24938-68-9	≥90	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 See Section 16 for the full text of the H statements declared above.	[1]

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

Type
 Shipping Blank [1] Constituent
 Sample Tubes [1] Substance classified with a health or environmental hazard
 Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact : 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.

Sample Tubes
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.

SECTION 4: First aid measures

Inhalation	: Shipping Blank	<p>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.</p>
	Sample Tubes	<p>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.</p>
Skin contact	: Shipping Blank	<p>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.</p>
	Sample Tubes	<p>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.</p>
Ingestion	: Shipping Blank	<p>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.</p>
	Sample Tubes	<p>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.</p>
Protection of first-aiders	: Shipping Blank	<p>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. No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present,</p>
	Sample Tubes	

SECTION 4: First aid measures

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.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Eye contact	: 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
Inhalation	: Shipping Blank	Adverse symptoms may include the following: respiratory tract irritation coughing
	Sample Tubes	Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: Shipping Blank	Adverse symptoms may include the following: irritation redness
	Sample Tubes	Adverse symptoms may include the following: irritation redness
Ingestion	: Shipping Blank	No specific data.
	Sample Tubes	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: 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.
Specific treatments	: Shipping Blank	No specific treatment.
	Sample Tubes	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Shipping Blank	Use dry chemical powder.
	Sample Tubes	Use dry chemical powder.
Unsuitable extinguishing media	: 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.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	: Shipping Blank	May form explosible dust-air mixture if dispersed.
	Sample Tubes	May form explosible dust-air mixture if dispersed.
Hazardous combustion products	: Shipping Blank	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	Sample Tubes	Decomposition products may include the following materials: carbon dioxide carbon monoxide

5.3 Advice for firefighters

SECTION 5: Firefighting measures

Special protective actions for fire-fighters	: Shipping Blank	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.
	Sample Tubes	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.
Special protective equipment for fire-fighters	: Shipping Blank	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Sample Tubes	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: Shipping Blank	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 spilt 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.
	Sample Tubes	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 spilt 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.
For emergency responders	: Shipping Blank	If specialised 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".
	Sample Tubes	If specialised 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".

6.2 Environmental precautions

: Shipping Blank	Avoid dispersal of spilt 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).
Sample Tubes	Avoid dispersal of spilt 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).

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	: Shipping Blank	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.
	Sample Tubes	Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Using a

SECTION 6: Accidental release measures

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.

6.4 Reference to other sections : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures :  Shipping Blank

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 earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

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 earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene :  Shipping Blank

Sample Tubes

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.
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.

7.2 Conditions for safe storage, including any incompatibilities

SECTION 7: Handling and storage

Storage	: Shipping Blank	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 oxidising 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
	Sample Tubes	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 oxidising 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations	: Shipping Blank Sample Tubes	Industrial applications, Professional applications. Industrial applications, Professional applications.
Industrial sector specific solutions	: Shipping Blank Sample Tubes	Not available. Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures : Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour 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.

Individual protection measures

SECTION 8: Exposure controls/personal protection

- 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.
- 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.

SECTION 9: Physical and chemical properties

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

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: Shipping Blank Sample Tubes	Solid. [Powder.] Solid. [Powder.]
Colour	: Shipping Blank Sample Tubes	White. White.
Odour	: Shipping Blank Sample Tubes	Odourless. Odourless.
Odour threshold	: Shipping Blank Sample Tubes	Not available. Not available.
Melting point/freezing point	: Shipping Blank Sample Tubes	460°C 460°C
Initial boiling point and boiling range	: Shipping Blank Sample Tubes	Not available. Not available.
Flammability	: Shipping Blank Sample Tubes	Not available. Not available.
Upper/lower flammability or explosive limits	: Shipping Blank Sample Tubes	Not applicable. Not applicable.
Flash point	: Shipping Blank Sample Tubes	Not applicable. Not applicable.
Auto-ignition temperature	: Shipping Blank Sample Tubes	Not applicable. Not applicable.

SECTION 9: Physical and chemical properties

Decomposition temperature	: Shipping Blank	Not available.
	Sample Tubes	Not available.
pH	: Shipping Blank	Not available.
	Sample Tubes	Not available.
Viscosity	: Shipping Blank	Not applicable.
	Sample Tubes	Not applicable.

Solubility(ies)	Media	Result
	Shipping Blank water	Insoluble
	Sample Tubes water	Insoluble

Partition coefficient: n-octanol/water	: Shipping Blank	Not applicable.
	Sample Tubes	Not applicable.
Vapour pressure	: Not available.	
Evaporation rate	: Shipping Blank	Not available.
	Sample Tubes	Not available.
Relative density	: Shipping Blank	0.25
	Sample Tubes	0.25
Vapour density	: Shipping Blank	Not applicable.
	Sample Tubes	Not applicable.
Explosive properties	: Shipping Blank	Not available.
	Sample Tubes	Not available.
Oxidising properties	: Shipping Blank	Not available.
	Sample Tubes	Not available.
Particle characteristics		
Median particle size	: Shipping Blank	Not available.
	Sample Tubes	Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: Shipping Blank	No specific test data related to reactivity available for this product or its ingredients.
	Sample Tubes	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: Shipping Blank	The product is stable.
	Sample Tubes	The product is stable.
10.3 Possibility of hazardous reactions	: Shipping Blank	Under normal conditions of storage and use, hazardous reactions will not occur.
	Sample Tubes	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: Shipping Blank	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 earthing and bonding containers and equipment before transferring material. Prevent dust accumulation.
	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 earthing and bonding containers and equipment

SECTION 10: Stability and reactivity

before transferring material. Prevent dust accumulation.

10.5 Incompatible materials : Shipping Blank

Reactive or incompatible with the following materials:
oxidising materials

Sample Tubes

Reactive or incompatible with the following materials:
oxidising materials

10.6 Hazardous decomposition products : Shipping Blank

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Sample Tubes

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute toxicity estimates

N/A

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitiser

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

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

Inhalation : Shipping Blank
Sample Tubes

May cause respiratory irritation.
May cause respiratory irritation.

Ingestion : Shipping Blank
Sample Tubes

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

Skin contact : Shipping Blank
Sample Tubes

Causes skin irritation.
Causes skin irritation.

SECTION 11: Toxicological information

Eye contact	: Shipping Blank	Causes serious eye irritation.
	Sample Tubes	Causes serious eye irritation.
<u>Symptoms related to the physical, chemical and toxicological characteristics</u>		
Inhalation	: Shipping Blank	Adverse symptoms may include the following: respiratory tract irritation coughing
	Sample Tubes	Adverse symptoms may include the following: respiratory tract irritation coughing
Ingestion	: Shipping Blank	No specific data.
	Sample Tubes	No specific data.
Skin contact	: Shipping Blank	Adverse symptoms may include the following: irritation redness
	Sample Tubes	Adverse symptoms may include the following: irritation redness
Eye contact	: 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

Delayed and immediate effects as well as 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

Conclusion/Summary : Not available.

General	: Shipping Blank	Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
	Sample Tubes	Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
Carcinogenicity	: Shipping Blank	No known significant effects or critical hazards.
	Sample Tubes	No known significant effects or critical hazards.
Mutagenicity	: Shipping Blank	No known significant effects or critical hazards.
	Sample Tubes	No known significant effects or critical hazards.
Reproductive toxicity	: Shipping Blank	No known significant effects or critical hazards.
	Sample Tubes	No known significant effects or critical hazards.

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

SECTION 12: Ecological information

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
Shipping Blank Shipping Blank	No	N/A	N/A	No	N/A	N/A	N/A

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised 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.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

Additional information

SECTION 14: Transport information

14.6 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.

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

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture UK (GB)/REACH

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

Not listed.

Persistent Organic Pollutants

Not listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Product / Ingredient name	Identifiers	Status
<input checked="" type="checkbox"/> Sample Tubes benzene	EC: 200-753-7 CAS: 71-43-2 Index: 601-020-00-8	5 72
toluene	EC: 203-625-9 CAS: 108-88-3 Index: 601-021-00-3	48

Label : Shipping Blank Sample Tubes Not applicable.
Not applicable.

Seveso Directive

This product is not controlled under the Seveso Directive.

EU regulations

Industrial emissions (integrated pollution prevention and control) - Air : Not listed

Industrial emissions (integrated pollution prevention and control) - Water : Not listed

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments might still be required.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

SECTION 15: Regulatory information

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

United States : All components are active or exempted.

SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DMEL = Derived Minimal Effect Level
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 N/A = Not available
 PBT = Persistent, Bioaccumulative and Toxic
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number
 vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

Classification	Justification
Shipping Blank Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	Calculation method Calculation method Calculation method
Sample Tubes Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	Calculation method Calculation method Calculation method

Full text of abbreviated H statements

Shipping Blank H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.
Sample Tubes H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

Full text of classifications

Shipping Blank Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 Skin Irrit. 2 SKIN CORROSION/IRRITATION - Category 2 STOT SE 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
Sample Tubes Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 Skin Irrit. 2 SKIN CORROSION/IRRITATION - Category 2 STOT SE 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

SECTION 16: Other information

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Notice to reader

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