

**IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**Product name** 1000X qARTAcillin, Ready-to-use X-Gal / IPTG Spray

**Catalog number** R111, R121, R121-S

**Product use description** Laboratory chemicals for research use only. Not for use in diagnostic procedures.

**Manufacturer/ Supplier**

qARTA Bio, Inc.  
1210 East 223rd Street, Suite 311, Carson, Ca 90745, USA  
www.qartabio.com

**IN CASE OF EMERGENCY CALL: +1 310-326-1542****HAZARDS IDENTIFICATION**

**Potential Health Effects**

**Inhalation** Causes respiratory tract irritation. Harmful if inhaled. May cause allergic respiratory reaction.

**Skin** Causes skin irritation. May be harmful if absorbed through skin.

**Eyes** Causes eye irritation.

**Ingestion** Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

**Physical and chemical hazards** Combustible liquid.

**Chronic exposure** Prolonged skin contact may defat the skin and produce dermatitis.

**Aggravated medical conditions** Eyes, skin disorders, liver disorders, kidney disorders

**Target organs** Eyes, skin

**COMPOSITION / INFORMATION ON INGREDIENTS**

**Hazardous Components** The product contains no components which at their given concentration, are considered to be hazardous to health.

**FIRST AID MEASURES**

**Inhalation** Immediately supply fresh air. Get medical attention. If not breathing, give artificial respiration.

**Skin contact** Immediately rinse with plenty of soap and water. Seek medical advice. Remove contaminated clothing.

**Eye contact** Immediately flush opened eye under running water for at least 15 minutes. Get medical attention.

**Ingestion** If swallowed, immediately get medical attention.

**FIRE-FIGHTING MEASURES**

**Suitable extinguishing media** Water spray, Carbon dioxide (CO<sub>2</sub>), Foam, Dry chemical.

**Protective equipment for fire-fighters** Wear self-contained breathing apparatus for fire fighting. Use personal protective equipment.

**ACCIDENTAL RELEASE MEASURES**

**Personal precautions** Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing. Use protective equipment.

**Environmental precautions** Should not be released into the environment. Prevent undiluted or large quantities to enter drains.

**Methods for cleaning up** Clean contaminated floors/objects thoroughly while observing environmental regulations.

**HANDLING AND STORAGE**

**For safe handling** Use only in area provided with adequate ventilation. Wear personal protective equipment. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

**For safe storage** Protect against physical damage and store in original container. Isolate from incompatible substances. See product label for storage requirements.

**EXPOSURE CONTROLS/PERSONAL PROTECTION**

Eye protection	Chemical resistant goggles.	<b>General protective &amp; hygienic measures</b>	Follow usual precautionary measures for handling chemicals. Wash hands thoroughly after handling.
Hand protection	Suitable protective gloves.		
Respiratory protection	Avoid breathing vapors or gas.	<b>Engineering measures</b>	Maintain air concentrations below occupational exposure standards. Use only in area provided with exhaust ventilation.
Skin protection	Suitable protective clothing.		

**PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	Liquid	<b>Boiling point</b>	Undetermined	<b>Explosion limits</b>	Undetermined
Color	Colorless	<b>Melting point</b>	Undetermined	<b>Self-igniting</b>	No
Odor	Undetermined	<b>Flash point</b>	Undetermined	<b>Solubility in / Miscibility with water</b>	Fully miscible
pH-value	7.0 – 8.5	<b>Density</b>	Undetermined		

**STABILITY AND REACTIVITY**

Conditions to avoid	Keep away from open flames, hot surfaces, and sources of ignition.
Materials to avoid	Strong acids, bases, and oxidizing agents.
Dangerous decomposition products	Carbon oxides, nitrogen oxides, hydrogen chloride gas, sulphur oxides

**TOXICOLOGICAL INFORMATION**

Acute toxicity	The product contains no components which at their given concentration, are considered to be hazardous to health.
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**ECOLOGICAL INFORMATION**

Mobility	No data available.	<b>Ecotoxicity</b>	This product is slightly hazardous for water. Do not allow product to reach ground water, water course, or sewage system.
Degradability	Inherently biodegradable.		
Accumulation	Does not bioaccumulate.		

**DISPOSAL CONSIDERATIONS**

Environmental precautions	Should not be released into the environment. Prevent product from entering drains.
Waste handling and disposal	Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

**TRANSPORT INFORMATION**

DOT: DOT Road Transport	Not dangerous goods	IATA-DGR	Not dangerous goods	IMDG	Not dangerous goods.
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**REGULATORY INFORMATION**

<b>US Regulations</b>	40 CFR § 302.4 Designation of hazardous substances (SARA 302): <i>Non-hazardous substance</i>
	40 CFR § 355 Appendices A & B: The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (SARA 304): <i>Non-hazardous substance</i>
	40 CFR § 372.65 Toxic Chemical Release Reporting (SARA 313): <i>Non-hazardous substance</i>
<b>State Regulations</b>	U.S./California – 8 CCR Section 339 – Director’s List of Hazardous Substances: <i>No components found.</i>
	U.S./California – 8 CCR Section 5200-5220 – Specifically Regulated Carcinogens: <i>No components found.</i>
	U.S./California – 8 CCR Section 5203 -- Carcinogens: <i>No components found.</i> U.S./California – 8 CCR Section 5209 -- Carcinogens: <i>No components found.</i>
<b>National Inventory Status – USA</b>	TOXIC SUBSTANCES CONTROL ACT (TSCA). All components of this substance are listed on or are exempt from the inventory. For purposes of 40 CFR 720.36, this product is for Research Use Only.
	TOXIC SUBSTANCES CONTROL ACT, Section 12(B) Export Notification 40CFR 707, Subpart D. <i>Not Required.</i>

**OTHER INFORMATION**

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features, and shall not establish a legally valid contractual relationship. qARTA-Bio is not held liable for any damage resulting from handling or from contact with the above mentioned products.

