

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name	qARTA q•Loading Dyes	Manufacturer/ Supplier	qARTA Bio, Inc. 1210 East 223rd Street, Suite 311, Carson, Ca 90745, USA www.qartabio.com
Catalog number	LDB-1, LDB-10, LDBB-1, LDBB-10, LDO-1, LDO-10, LDOB-1, LDOB-10		
Product use description	Laboratory chemicals for research use only. Not for use in diagnostic procedures.	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.
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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 ₂), 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.	General protective & hygienic measures	Follow usual precautionary measures for handling chemicals. Wash hands thoroughly after handling.
Hand protection	Suitable protective gloves.		
Respiratory protection	Avoid breathing vapors or gas.	Engineering measures	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	Boiling point	Undetermined	Explosion limits	Undetermined
Color	Colorless	Melting point	Undetermined	Self-igniting	No
Odor	Undetermined	Flash point	Undetermined	Solubility in / Miscibility with water	Fully miscible
pH-value	7.0 – 8.5	Density	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.	Ecotoxicity	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

US Regulations	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>
State Regulations	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>
National Inventory Status – USA	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.