

# SAFETY DATA SHEET

SDS for UltraBLOX® X-Ray Attenuating Cream

SECTION 1	IDENTIFICATION
-----------	----------------

- (a) Product Identifier: UltraBLOX® X-Ray Attenuating Cream
- (b) Synonyms: Radiation Hand Protection, Radiation Attenuating Lotion, Radioprotective Cream
- (c) Use: For use in attenuating radiation, x-rays and ionizing radiation during medical procedures.
- (d) Manufacturer: BLOXR Solutions, LLC  
2250 S 1300 West, Suite C  
Salt Lake City, UT 84119  
855-256-9729  
Emergency Phone Number: 801-590-9880

SECTION 2	HAZARD(S) IDENTIFICATION
-----------	--------------------------

- (a) Classification: Not classified as a hazardous material
- (b) Signal word: Not applicable
- (c) Eyes: Avoid contact with eyes; may be irritating to eyes  
Skin: Does not pose a potential for skin irritation and sensitization  
Inhalation: No known effect  
Ingestion: Non-toxic in small quantities. No known effect in large quantities.
- (d) Not applicable



SECTION 3	COMPOSITION/INFORMATION ON INGREDIENTS
-----------	--

(a – b) Chemical name and concentration range:

Bismuth Oxide	5-90%
Humectants	1-11%
Emollients	1-10%
Emulsifier	1-5%
Preservative	0-1%
Stabilizer	0-1%
Thickener	0-1%

(c) CAS Number: None

SECTION 4	FIRST-AID MEASURES
-----------	--------------------

- (a) Eyes: Rinse thoroughly with plenty of water, also under eyelids. If irritation persists, contact a physician.  
Skin: None under normal use.  
Inhalation: None under normal use.  
Ingestion: Rinse mouth with water and afterwards drink plenty of water.
- (b) Important symptoms: not applicable
- (c) Indication of immediate medical attention: Get medical advice/attention if eye irritation persists.  
Seek medical advice if discomfort occurs.

SECTION 5	FIRE-FIGHTING MEASURES
-----------	------------------------

- (a) Extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- (b) Specific hazards: In case of fire, the following can be released: oxides of carbon, metal oxide fume.
- (c) Special equipment precautions: Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent. Wear full protective gear.

SECTION 6	ACCIDENTAL RELEASE MEASURES
-----------	-----------------------------

- (a) Precaution: Avoid contact with eyes.
- (b) Method for cleaning up: Prevent further leaking or spillage if safe to do so. Wash affected area with water and soap; dry using cloth paper or paper towels. Keep in suitable container for disposal in accordance with local, regional, national, international laws and regulations.

SECTION 7	HANDLING AND STORAGE
-----------	----------------------

- (a) Precautions: Keep container tightly closed when not in use. For use only by technically qualified individuals.
- (b) Conditions: Store in a cool, dry, well-ventilated place. Handle in accordance with good safety practice. Avoid exposure to temperatures in excess of 40 degrees C (104 degrees F).

SECTION 8	EXPOSURE CONTROLS/PERSONAL PROTECTION
-----------	---------------------------------------

- (a) PEL limit: not applicable
- (b) Engineering controls: not applicable
- (c) Individual protection measures: the usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
-----------	----------------------------------

- (a) Appearance: Cream; yellow/green color
- (b) Odor: odorless
- (c) Odor threshold: not applicable
- (d) pH: 5.5-6.4
- (e) Melting point/freezing point: >~40°C (104°F)
- (f) Initial boiling point and boiling range: Not determined
- (g) Flash point: Not applicable
- (h) Evaporation rate: No data available
- (i) Flammability: Not flammable
- (j) Upper/lower flammability or explosive limits: Product does not present an explosion hazard
- (k) Vapor Pressure: not determined
- (l) Vapor density: not determined
- (m) Relative density: approx. 2.0 to 5.2 g/cm<sup>3</sup> at 20°C (68°F)
- (n) Solubility(ies): Insoluble
- (o) Partition coefficient: n-octanol/water: not determined
- (p) Auto-ignition temperature: not determined
- (q) Decomposition temperature: not determined
- (r) Viscosity: Not applicable

SECTION 10	STABILITY AND REACTIVITY
------------	--------------------------

- (a) Reactivity: Not applicable
- (b) Chemical Stability: Stable
- (c) Possibility of hazardous reactions: None known
- (d) Conditions to avoid: No decomposition expected under normal use.
- (e) Incompatibility: Oxidizing agents
- (f) Hazardous Decomposition Products: Metal oxide fume

SECTION 11	TOXICOLOGICAL INFORMATION
------------	---------------------------

- (a) Route of exposure: Bismuth compounds are often poorly absorbed.
- (b) Symptoms: May be irritant to eyes. Should absorption occur, exposure may cause loss of appetite, headache, skin rash, exodermatitis, kidney injury and jaundice. Repeated or prolonged exposure may cause a bismuth line or black spots on the gums, foul breath and salivation.

- (c) Delayed and immediate effects: No known subacute or chronic toxicity effects under normal use.
- (d) Numerical measures: LD/LC50 values that are relevant for classification:
  - a. Oral, LD50 5000 mg/kg (rat)
- (e) Listing in NTP or IARC or OSHA: Not applicable

SECTION 12	ECOLOGICAL INFORMATION
------------	------------------------

See disposal section 13 considerations for more information.

SECTION 13	DISPOSAL CONSIDERATIONS
------------	-------------------------

Dispose of contents/container in accordance with local/state/regional/national/international laws and regulations.

SECTION 14	TRANSPORT INFORMATION
------------	-----------------------

Not applicable

SECTION 15	REGULATORY INFORMATION
------------	------------------------

All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory. All components of this product are listed on the Canadian Domestic Substances List (DSL).

SECTION 16	OTHER INFORMATION
------------	-------------------

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 1

Flammability: 1

Reactivity: 0

Date of preparation: August 22, 2017.

Revision Level: A (79008A, 4/21/16; formerly ENG 730-02 REV B, 5/25/15; ENG 730-02 REV A, 7/17/14)

This SDS has been prepared in compliance with the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200 and HCS June 1, 2015. Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

79008B