

# AERIS TECHNOLOGIES

Level 1, Unit 5 / 26-34 Dunning Ave Rosebery NSW AUSTRALIA 2018 Phone: +61 2 8344 1315 Fax: +61 2 9697 0944

## MATERIAL SAFETY DATA SHEET

**NOT CLASSIFIED AS HAZARDOUS ACCORDING  
TO THE CRITERIA OF WORKSAFE AUSTRALIA**

### SECTION 1: IDENTIFICATION

**PRODUCT NAME: AERIS-GUARD BIOACTIVE FILTER TREATMENT**

<b>UN No.</b>	–	<b>CAS No.</b>	<b>mixture</b>
<b>HazChem</b>	–	<b>Sub Risk</b>	–
<b>Pack Group</b>	–	<b>SUSDP</b>	
<b>D.G. Class</b>	–	<b>Poison Schedule</b>	–

**USE: AIR CONDITIONING FILTER TREATMENT**

#### PHYSICAL DESCRIPTION/PROPERTIES

Appearance:	Clear, colourless to straw colour; a slightly viscous aqueous liquid
Boiling Point:	>100°C
Specific gravity:	1.07 - 1.10
Solubility in water:	Readily soluble
Reactivity in water/air:	Not reactive
pH:	2.0 – 4.0 (neat)

<b>CHEMICAL NAME:</b>	<b>CAS NUMBER:</b>	<b>PROPORTION:</b>
3-Iodo-propargyl-n-butylcarbamate	[55406-53-6]	<1.00% w/w
2-Bromo-2-Nitro –1,3-Propan-1,3-diol	[52-51-7]	<5.00% w/w
Calcium chloride	[10043-52-4]	<35.00% w/w
Dipropylene Glycol	[110-98-5]	<50.00% w/w

Water & ingredients determined not to be hazardous to 100.00% w/w

### SECTION 2 - HEALTH INFORMATION

#### HEALTH EFFECTS

##### Acute

Swallowed:	The product exhibits a low order of toxicity unless taken in large amounts.
Eye:	Eye contact can cause severe irritation and can cause tissue damage.
Skin:	In rare cases, skin contact can cause irritation and redness.
Inhaled:	If the product misted or sprayed, may exhibits a low order of irritation of the mucous membrane, nose, eyes and throat, coughing and difficulty in breathing unless taken in large amounts.

##### Chronic

N/A

##### First Aid:

Swallowed:	Do not induce vomiting. Give plenty of water to drink. Seek medical advice if effects persist.
Eye:	Immediately flush with water for at least 15 minutes. Seek medical advice.
Skin:	Remove contaminated clothing. Wash affected areas with copious quantity of soap and water.
Inhaled:	If a large amount is inhaled, remove victim to fresh air. Rest the patient. Seek medical advice if necessary.

### SECTION 3 - PRECAUTIONS FOR USE

<b>Exposure standards:</b>	Exposure standards not assigned for the product. There are guides only and do not represent 'no-effect' levels, which guarantee protection to every worker. WorkSafe Australia has established exposure standards for the following ingredients: 2-Bromo-2-Nitro-1,3-Propan-1,3-diol 0.5 mg/m <sup>3</sup>
<b>Engineering Controls:</b>	Ensure ventilation is adequate especially where a spraying device is being used.
<b>Personal Protection:</b>	Avoid contact with skin and eyes. Trousers, long sleeved shirt, Rubber gloves and safety footwear should be worn as a general precaution.
<b>Eye Protection:</b>	Chemical goggles or safety glasses can be worn while handling.
<b>Special Protection:</b>	<b>When the product is applied with a spraying device</b> , a PVC apron, rubber or PVC boots and a face mask should be worn. The area in which application takes place should be ventilated.
<b>Flammability:</b>	Not combustible or flammable under normal conditions of use.

### SECTION 4 - SAFE HANDLING INFORMATION

<b>Precautions to be taken</b>	Store below 35°C. Protect from light. Do not store in steel drums.
<b>In Handling &amp; Storage:</b>	Avoid contact with oxidising agents, strong alkalis and strong acids
<b>Spills and Disposal:</b>	Collect and dispose into the waste water circuit whilst water is running. Spilt area should be flushed into waste water system. Surfaces may remain wet longer due to moisture from spilled material.
<b>Fire/Explosion Hazard:</b>	Not considered to be a significant fire risk.

### SECTION 5 - ADDITIONAL INFORMATION

<b>Toxicity Data</b>	2-Bromo-2-Nitropropane – 1,3-Diol: 3-Iodo-propargyl-n-butylcarbamate	LD <sub>50</sub> 307 mg/kg LD <sub>50</sub> 1470 mg/kg
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<b>Person responsible for Preparation:</b>	Steve Kritzler
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<b>Most recent date of issue:</b>	1 February 2003
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<b>Telephone No:</b> (+61 2) 9662 4144	<b>Fax No:</b> (+61 2) 9662 1720
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The opinions expressed herein are those of qualified experts. We believe that the information contained herein is current as of the date of this MSDS. Since the use of this information and these opinions and the conditions of use of the product are not within the control of Aeris Technologies it is the users obligation to assure safe use of the product.