

## SAFETY DATA SHEET

### 1. Product and Company Identification

**Product name:**

Product code	Product name	Product code	Product name	Product code	Product name
ATA01	Azurocidin <sup>1</sup>	ATG02	GBM antigen	ATP02	Proteinase 3 <sup>1</sup>
ATA02	Annexin A3 <sup>1</sup>	ATH01	Histone	ATP03	PCNA
ATB01	BPI <sup>1</sup>	ATJ01	Jo-1 antigen	ATP04	Prothrombin <sup>1</sup>
ATC01	Cathepsin G <sup>1</sup>	ATL01	La (SSB) antigen	ATR01	RNP/Sm antigen
ATC02	CENP B <sup>2</sup>	ATL02	Lactoferrin <sup>1</sup>	ATR02	Ro (SSA) antigen
ATC03	C1q <sup>1</sup>	ATL03	Lysozyme <sup>1</sup>	ATR03	Ribosomal antigen
ATC04	Calprotectin <sup>1</sup>	ATL04	LC1	ATR04	RNP-68K antigen
ATD01	dsDNA	ATM01	Myeloperoxidase <sup>1</sup>	ATR05	Ro52 antigen <sup>2</sup>
ATE01	Elastase <sup>1</sup>	ATM02	Mitochondrial antigen	ATR06	RNP-A antigen
ATE02	Eosinophil Peroxidase <sup>1</sup>	ATM03	MMP-9 <sup>1</sup>	ATS01	Scl-70 antigen
ATE03	Eosinophil Cationic Protein <sup>1</sup>	ATN01	NGAL <sup>1</sup>	ATS02	Sm antigen
ATF01	Rheumatoid Factor antigen <sup>1</sup>	ATN02	Nucleosome	ATT01	Tissue transglutaminase
ATG01	β2-Glycoprotein 1 <sup>1</sup>	ATP01	Parietal cell antigen	ATT02	Thyroid peroxidase

<sup>1</sup>Products of human origin

<sup>2</sup>Products containing sodium dodecylsulphate (SDS)

**Recommended use:** For research use only  
**Company name:** AROTEC Diagnostics Limited  
**Address:** 207 Gracefield Road, Lower Hutt 5010, New Zealand  
**Telephone/Fax:** Telephone: +64-4-5690361, Fax: +64-4-5690366  
**Emergency telephone:** 0800-764-766 (NZ); for international world directory of poison centres with local phone numbers refer:  
[http://www.who.int/gho/phe/chemical\\_safety/poisons\\_centres/en/#.VERM5zTweO4.email](http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/#.VERM5zTweO4.email)  
**Revision date:** 01-January-2016

### 2. Hazards Identification

Components common to all products are buffers, salts, stabilising additives and human or animal proteins. None of these components are considered to be hazardous at the concentrations found in the products. Products of human origin may contain agents which pose a potential biological hazard to humans. The source materials (blood from consenting donors) were tested and found to be negative Hep B surface antigen, anti-Hep C virus antibodies, anti-HIV type I antibodies, anti-HIV type II antibodies, HIV RNA, HCV RNA and syphilis. No test method can provide complete assurance that infectious agents are absent, therefore all products of human origin should be handled as if they are potentially infectious.

**Potential hazard:** The only potential hazards identified with these products are those associated with the following components:

Component	NZ HSNO classification	CAS Registry Number	Concentration
2-Methyl-4-Isothiazolin-3-one hydrochloride (hazardous component of Micr-O-protect)	6.5A, 6.5B, 8.2B	26172-54-3	<0.008%
Sodium dodecylsulphate (SDS)	6.1C, 6.1D, 6.3B, 6.4A, 9.1D, 9.2D, 9.3C	151-21-3	0.02%

**Explanation of NZ HSNO classifications:**

- 6.1C Substances are acutely toxic with a 50% lethal dose of 300 mg/kg of body weight
- 6.1D Substances are acutely toxic with a 50% lethal dose of 2000 mg/kg of body weight
- 6.3B Substances are skin irritants with a Draize grade  $\geq 1.5$  but  $\leq 2.3$  for either erythema or oedema
- 6.4A Substances are eye irritants with a Draize grade  $\geq 1$  for either corneal opacity or iritis or a Draize grade  $\geq 2$  for either conjunctival redness or chemosis
- 6.5A Substances are respiratory sensitisers
- 6.5B Substances are contact sensitisers
- 8.2B Substances are corrosive to dermal tissue
- 9.1D Substances are ecotoxic to the aquatic environment at concentrations between 1 and 100 ml/L
- 9.2D Substances are ecotoxic to the soil environment at concentrations between 10 and 100 mg/kg and take at most 30 days to reduce the original concentration in the soil to 50%

9.3C Substances are ecotoxic to terrestrial vertebrates with a 50% lethal dose of > 500 but ≤ 2000 mg/kg of body weight and/or a 50% lethal dose of > 1000 but ≤ 5000 mg/kg of food and/or a chronic maximum acceptable toxicant concentration of < 100 ppm in the diet

**Symptoms of Exposure:**

2-Methyl-4-Isouthiazolin-3-one hydrochloride:

- Severe skin burns and eye damage
- Allergic skin reaction
- Allergy or asthma symptoms or breathing difficulty if inhaled

Sodium Dodecylsulphate:

- Serious eye irritation
- Allergic skin irritation
- Allergy or asthma symptoms or breathing difficulty if inhaled

### 3. Composition/Information on Ingredients

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No components need to be disclosed according to applicable regulations (refer to product insert for details).

### 4. First Aid Measures

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**General advice:** Consult a physician, show this Safety Data Sheet to the doctor in attendance  
**Eye contact:** Flush immediately with plenty of water then consult a physician  
**Skin contact:** Remove contaminated clothing and shoes immediately, wash with soap and plenty of water  
**Inhalation:** Move into a fresh air environment  
**Ingestion:** Do not induce vomiting, rinse mouth with water, consult a physician

### 5. Fire-Fighting Measures

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**Suitable extinguishing media:** Use extinguishing measures that are appropriate to the surrounding environment  
**Hazards from combustion products:** None known  
**Precautions for fire-fighters:** Wear self contained breathing apparatus for fire fighting if necessary

### 6. Accidental Release Measures

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**Personal precautions:** Ensure adequate ventilation  
**Environmental precautions:** Do not let product enter drains  
**Methods for containment:** Prevent further leakage or spillage if safe to do so  
**Methods for cleaning up:** Pick up and transfer to suitable closed containers for disposal

### 7. Handling and Storage

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**Precautions for safe handling:** Handle in accordance with good hygiene and safety practice  
**Conditions for safe storage:** Keep containers tightly closed in a cool, contained place

### 8. Exposure Controls/Personal Protection

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**Exposure standards:** Products do not contain any hazardous materials with workplace exposure limits  
**Engineering controls:** Emergency showers, eyewash stations, ventilation systems  
Personal protection  
**Eye/face:** Safety glasses recommended  
**Skin/body:** Handle with gloves, wear suitable clothing such as a lab coat  
**Respiratory:** Respiratory protection is not normally needed when using these products; use a particle respirator for nuisance exposure

### 9. Physical and Chemical Properties

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**Appearance:** Liquid/frozen liquid  
**Odour:** No information available  
**pH:** pH range 5.5-8.0 (refer product insert)  
**Vapour pressure:** No information available  
**Vapour density:** No information available  
**Boiling point:** No information available  
**Freezing point:** No information available  
**Solubility:** No information available

**Specific gravity:** No information available

## 10. Stability and Reactivity

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**Stability:** Stable at the recommended storage conditions  
**Conditions to avoid:** None known  
**Incompatible materials:** None known  
**Hazardous decomposition products:** None known

## 11. Toxicological Information

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**Acute toxicity:** No information available  
**Skin corrosion/irritation:** No information available  
**Serious eye damage/irritation:** No information available  
**Respiratory or skin sensitisation:** No information available  
**Germ cell mutagenicity:** No information available  
**Carcinogenicity:** No information available  
**Aspiration hazard:** No information available

## 12. Ecological Information

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**Ecotoxicity:** No information available  
**Persistence and degradability:** No information available  
**Mobility:** No information available

## 13. Disposal Considerations

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**Disposal methods:** Dispose in accordance with appropriate local regulations  
**Contaminated packaging:** Do not re-use empty containers, dispose in accordance with local regulations

## 14. Transport Information

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**Proper shipping name:** Not regulated by DOT, IATA, ADR, TDG , IMDG  
**UN number:** Not applicable  
**DG class:** Not applicable  
**Packing group:** Not applicable  
**Special precautions:** No information available  
**HAZCHEM code:** Not applicable

## 15. Regulatory Information

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This Safety Data Sheet complies with the requirements of Regulation (NZ) Hazardous Substances (Emergency Management) Regulations 2001 (SR 2001/123)

## 16. Other Information

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**Revision Date:** 01-January-2016

**Disclaimer:** The information provided here is correct to the best of our knowledge however neither the above-named company nor any of its subsidiaries or distributors assumes any liability whatsoever for the accuracy or completeness of this information. The information given is designed only as a guide to safe handling, use, storage, processing, transportation and disposal and is not to be considered as a warranty for specification or performance in any particular application. Determination of suitability of any material is ultimately the sole responsibility of the user. Although certain hazards are described here, we do not guarantee that other hazards do not exist. All materials may present unknown hazards and should be handled accordingly.