

## Section 1 - Identification of Chemical Product and Company

Norbrook NZ Ltd  
KPMG Centre, 18 Viaduct Harbour Ave  
Auckland, New Zealand

Freecall: 0800 224 022

**Trade Name:** Sureseal  
**Product Use:** For the prevention of mastitis during the non-lactating (dry) period.  
**Creation Date:** February, 2017  
**This version issued:** November, 2020 and is valid for 5 years from this date.  
**Poisons Information Centre: Phone 0800 764 766 from anywhere in New Zealand**

## Section 2 - Hazards Identification

**HSNO Approval number:** HSR002012  
**HSNO Hazard Classification:** 5.1.1B  
**GHS PICTOGRAM:**



**SIGNAL WORD:** Danger

**HAZARD STATEMENT:**

H272: May intensify fire; oxidizer.

**PREVENTION:**

P103: Read label before use.  
P210: Keep away from heat. No smoking.  
P220: Keep/Store away from clothing/combustible materials.  
P221: Take any precaution to avoid mixing with combustibles.  
P280: Wear protective gloves and eye/face protection.

**RESPONSE:**

P370 + P378: In case of fire: Use carbon dioxide, dry chemical. Coarse water spray is the preferred medium for large fires.

**DISPOSAL:**

P501: Dispose of product, packaging and waste at an approved landfill or other equivalent facility.

## Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Concentration
Bismuth subnitrate	1304-85-4	650 g/kg
Other ingredients	secret	Balance

## Section 4 - First Aid Measures

**General Information:** You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 0800 764 766 in New Zealand and is available at all times. Have this SDS with you when you call.

**Inhalation:** If inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

**Skin Contact:** Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until chemical is removed.

**Eye Contact:** Flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

## SAFETY DATA SHEET

**Ingestion:** If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

### Section 5 - Fire Fighting Measures

**Flash point:** No data

**Fire and Explosion Hazards:** There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and appropriate precautions. The presence of this product in a fire is likely to intensify the fire due to its oxidising properties.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Fire Fighting Equipment:** Use self-contained breathing apparatus and full protective clothing.

**Extinguishing Media:** Use a Class B Fire Extinguisher for extinction (e.g. CO<sub>2</sub> or Dry Powder). Coarse water spray is the preferred medium for large fires. Try to contain spills, minimise spillage entering drains or water courses.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade. There is a danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Recommended personal protective equipment is full fire kit and breathing apparatus.

### Section 6 - Accidental Release Measures

**Personal Precautions:** Wear protective gloves and eye/face protection.

**Environmental Precautions:** Prevent spilled material from entering water ways.

**Methods and Materials for Containment and Cleaning up:** For minor spills, clean up and absorb spills with inert material and place in waste containers, labelled for disposal. Contain in a secure location until disposal method is established. Dispose of waste safely. In the event of a major spill, prevent spillage from entering drains or water ways and call emergency services.

### Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Certified handler:** Not applicable

**Tracking:** Not applicable

**Storage:** Store below 25°C (room temperature) in a dry, cool, well-ventilated area out of direct sunlight. Check containers periodically for corrosion and leaks. Containers should be kept closed in order to minimise contamination, especially from combustible or reducing materials. Store away from clothing/combustible materials. Make sure that the product does not come into contact with or substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.

### Section 8 - Exposure Controls and Personal Protection

**Occupational exposure limits:**

**SWA Exposure Limits**

**TWA (mg/m<sup>3</sup>)**

**STEL (mg/m<sup>3</sup>)**

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Engineering Controls:** Normal room ventilation is sufficient.

**Ventilation:** This product should be used in a well ventilated area.

**Eye Protection:** Wear suitable protective glasses or goggles.

## SAFETY DATA SHEET

**Skin Protection:** Wear suitable impervious elbow-length gloves and facial protection when handling this product for lengthy periods. See below for suitable material types.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** In case of inadequate ventilation wear respiratory protection.

Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

## Section 9 - Physical and Chemical Properties

<b>Appearance:</b>	Light brown paste.
<b>Odour:</b>	No data
<b>Odour threshold:</b>	No data
<b>pH:</b>	Not applicable
<b>Melting Point/Freezing point:</b>	No data. Paste at normal temperatures.
<b>Initial boiling point and boiling range:</b>	No data
<b>Flash point:</b>	No data
<b>Flammability (solid, gas):</b>	No data
<b>Upper/lower flammability or explosive limits:</b>	No data
<b>Vapour pressure:</b>	No data
<b>Vapour density:</b>	Not applicable
<b>Relative density:</b>	No data
<b>Solubility (ies):</b>	No data
<b>Auto-ignition temperature:</b>	No data
<b>Decomposition temperature:</b>	No data
<b>Viscosity:</b>	300-1200 Pa.S.

## Section 10 - Stability and Reactivity

**Reactivity:** This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** This product should be kept in a cool place, preferably below 25°C. Keep containers tightly closed. Containers should be kept dry. Keep isolated from combustible materials. Keep away from heat. No smoking. Keep/Store away from clothing/combustible materials.

**Incompatibilities:** Strong reducing agents, combustible materials.

**Fire Decomposition:** Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

## Section 11 - Toxicological Information

<b>Acute toxicity:</b>	No data
<b>Aspiration hazard:</b>	No data
<b>Respiratory irritation:</b>	No data
<b>Skin corrosion/irritation:</b>	No data
<b>Serious eye damage/ irritation:</b>	No data
<b>Respiratory or skin sensitisation:</b>	No data
<b>Germ cell mutagenicity:</b>	No data
<b>Carcinogenicity:</b>	No data
<b>Reproductive toxicity:</b>	No data
<b>Specific organ toxicity:</b>	No data
<b>Narcotic effects:</b>	No data

## Section 12 - Ecological Information

<b>Aquatic:</b>	No data
<b>Terrestrial:</b>	No data

### SAFETY DATA SHEET

**Persistence and degradability:** No data  
**Bioaccumulative:** No data  
**Mobility in soil:** No data  
**Other adverse effects:** No data

### Section 13 - Disposal Considerations

**Disposal:** Dispose of product, packaging and waste at an approved landfill or other equivalent facility.

### Section 14 - Transport Information

**UN Number:** 1477  
**UN proper shipping name:** NITRATES, INORGANIC, N.O.S. (Bismuth subnitrate).  
**Dangerous goods class and subsidiary risk:** 5.1  
**UN Packaging Group:** II  
**Environmental hazards:** Not applicable.  
**Special precautions when transporting the substance:** No information.  
**Transport of Dangerous Goods Pictogram:**



### Section 15 - Regulatory Information

**HSNO Approval number:** HSR002012  
**ACVM number:** A010866

### Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

**Acronyms:**

<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>SWA</b>	Safe Work Australia
<b>TWA</b>	Time Weighted Average
<b>STEL</b>	Short Term Exposure Limit
<b>UN Number</b>	United Nations Number
<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> edition)
<b>AICS</b>	Australian Inventory of Chemical Substances

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

Date of preparation: November, 2020.

### SAFETY DATA SHEET