

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: Noroclav Injection
Product Use: For the control of bacterial infection in cattle, dogs and cats.
Creation Date: July, 2020
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: HSR002088
HSNO Hazard Classification: 6.5B, 6.9B, 9.1A
GHS PICTOGRAM:



SIGNAL WORD: Warning

HAZARD STATEMENT:

H317: May cause an allergic skin reaction.
H373: May cause damage to organs through prolonged or repeated exposure.
H400: Very toxic to aquatic life with long lasting effects.

PREVENTION:

P103: Read label before use.
P260: Do not breathe mist/vapours.
P261: Avoid breathing mist/vapours.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE:

P321: See first aid instruction on the label.
P363: Wash contaminated clothing before reuse.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.
P314: Get medical advice/attention if you feel unwell.
P391: Collect spillage.

DISPOSAL:

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

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Concentration
Amoxicillin trihydrate	61336-70-7	140 g/L
Potassium clavulanate	61177-45-5	35 g/L
Other ingredients	secret	Balance

Section 4 - First Aid Measures

General Information: For advice contact 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 from contaminated area to fresh air and observe until recovered. Do not allow victim to move about unnecessarily. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

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Skin Contact: Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until chemical is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard.

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.

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: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is little risk of an explosion from this product if commercial quantities are involved in a fire. 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 extinguishing media suited to burning materials. In case of fire, Water fog or fine spray is the preferred medium for large fires.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Section 6 - Accidental Release Measures

Personal Precautions: Use appropriate protective clothing.

Environmental Precautions: Prevent spilled material from entering water ways. Avoid release to the environment.

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 at 2 - 8°C (refrigerate). Protect from light. May be stored at room temperature (below 25°C) when in use. 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/m³)

STEL (mg/m³)

Exposure limits have not been established 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: Make sure that the work environment remains clean and that vapours and mists are minimised.

Eye Protection: Wear suitable protective glasses or goggles.

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Skin Protection: Prevent skin contact by wearing impervious gloves. Make sure that all skin areas are covered.

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

Appearance:	An off-white to cream oily suspension which re-suspends easily.
Odour:	No data
Odour threshold:	No data
pH:	No data
Melting Point/Freezing point:	No data. Liquid at normal temperatures.
Initial boiling point and boiling range:	No data
Flash point:	No data
Flammability (solid, gas):	No data
Upper/lower flammability or explosive limits:	No data
Vapour pressure:	No data
Vapour density:	No data
Relative density:	0.98-1.02
Solubility (ies):	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data

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: Protect this product from light. Store in the closed original container in a dry, cool, well ventilated area out of direct sunlight.

Incompatibilities: No particular Incompatibilities.

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

Acute toxicity: Potassium clavulanate: Oral LD50: 4526 mg/kg (mouse)

Aspiration hazard: No data

Respiratory irritation: No data

Skin corrosion/irritation: No data

Serious eye damage/ irritation: No data

Respiratory or skin sensitisation: Amoxicillin trihydrate: Respiratory sensitisers and Contact sensitisers

Germ cell mutagenicity: No data

Carcinogenicity: No data

Reproductive toxicity: No data

Specific organ toxicity: Potassium clavulanate: Toxic to human target organs or systems

Narcotic effects: No data

Section 12 - Ecological Information

Aquatic: Amoxicillin trihydrate: Very ecotoxic in the aquatic environment

Terrestrial: No data

Persistence and degradability: Amoxicillin trihydrate: ND

Bioaccumulative: Amoxicillin trihydrate: ND

Mobility in soil: No data

Other adverse effects: No data

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Section 13 - Disposal Considerations

Disposal: Dispose of product, packaging and waste at an approved landfill or equivalent facility. Discarded needles should immediately be placed in a designated and appropriately labelled sharps container. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service. Avoid release to the environment.

Section 14 - Transport Information

UN Number: 3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Amoxicillin trihydrate).

Dangerous goods class and subsidiary risk: 9

UN Packaging Group: III

Environmental hazards: Marine Pollutant.

Special precautions when transporting the substance: No information.

Hazchem Code: 3Z

Transport of Dangerous Goods Pictogram:



Section 15 - Regulatory Information

HSNO Approval number: HSR002088

ACVM number: A008295

Section 16 - Other Information

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

Acronyms:

CAS number	Chemical Abstracts Service Registry Number
SWA	Safe Work Australia
TWA	Time Weighted Average
STEL	Short Term Exposure Limit
UN Number	United Nations Number
LD50	Lethal Dose for 50% of test organisms

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.

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