



**PERMIT TO ALLOW SUPPLY AND MINOR USE OF AN UNREGISTERED AGVET
CHEMICAL PRODUCT FOR CONTROL OF COPPER POISONING IN SHEEP**

PERMIT NUMBER – PER10752

This permit is issued to the Permit Holder in response to an application granted by the APVMA under section 112 of the Agvet Codes of the jurisdictions set out below. This permit allows a Supplier (as indicated) to possess the product for the purposes of supply and to supply the product to a person who can use the product under permit. This permit also allows a person, as stipulated below, to use the product in the manner specified in this permit in the designated jurisdictions. This permit also allows the Permit Holder, the Supplier (if not one and the same) and any person stipulated below to claim that the product can be used in the manner specified in this permit.

THIS PERMIT IS IN FORCE FROM 30 OCTOBER 2010 TO 28 FEBRUARY 2026

Permit Holder:

NSW DEPARTMENT OF PRIMARY INDUSTRIES
105 Prince Street
ORANGE NSW 2800

Supplier:

PROVET RIVERINA
12 Blaxland Road
WAGGA WAGGA NSW 2650

Persons who can use the product under this permit:

All persons, acting under the direction of a registered veterinarian, for the treatment of animals under their care, as permitted under State legislation in the jurisdiction in which they practice their profession.

CONDITIONS OF USE

Products to be used:

Product to be supplied in two separate, heavy duty, heat sealed plastic bags for on farm mixing. Each bag contains 25 kg of either:

SODIUM MOLYBDATE DIHYDRATE with a minimum concentration of 98% sodium molybdate dihydrate (CAS number 10102-40-6) and a maximum concentration of no more than 50 ppm lead, 30 ppm arsenic, 50 ppm cadmium and 10 ppm mercury as the only active constituents.

or

SODIUM SULFATE ANHYDROUS (CAS number 7757-82-6) with a minimum concentration of 99% anhydrous sodium sulfate as the only active constituents.

Directions for Use:

Animal	Disease	Rate
Sheep	Treatment of copper poisoning	<p>Drench:</p> <p>Mix 1000 g sodium sulfate with 400 g sodium molybdate and 5.0 L of hot water.</p> <p>This mixture is sufficient to treat 500 sheep with 2.0g sodium sulfate and 0.8g sodium molybdate per sheep when given using standard equipment as a single oral drench of 10 mL per sheep.</p> <p>Use drench while still warm and shake container regularly to prevent the active constituents from precipitating out of solution. Use prepared drench within 48 hours.</p> <p>Repeat at weekly intervals for up to three (3) treatments if necessary.</p>
		<p>Loose lick:</p> <p>Mix 3000 g sodium sulfate with 240 g sodium molybdate and 4.5 kg common salt.</p> <p>This mixture is sufficient to treat 100 sheep with 30g sodium sulfate and 2.4g sodium molybdate per sheep when supplied as a loose lick. Administer as a well-mixed loose lick in open troughs.</p> <p>Do not repeat this treatment in less than three (3) weeks.</p>

Critical Use Comments:

In areas with a history of copper poisoning the treatment may be given as a preventive in late spring or as a curative treatment when copper poisoning is diagnosed.

As an alternative to the drench or loose lick treatment, spray liquid mix on hay or grain, ensuring as far as possible, that all sheep eat the treated hay/grain. When augurs are equipped and calibrated to treat grain it may be treated with liquid mix when grain is augured out of storage before being fed.

Withholding Period:

Meat: DO NOT USE less than 8 weeks before slaughter for human consumption.

Milk: DO NOT USE in lactating ewes where milk or milk products may be used for human consumption.

Export Slaughter Interval (ESI):

Sheep: DO NOT slaughter for export less than 8 weeks after last treatment.

Jurisdiction:

All States and Territories.

Additional Conditions:

This permit allows for the use of a product in a manner specified on the permit. Persons who wish to prepare for use and/or use products for the purposes specified in this permit must read, or have read to them, the details and conditions of this permit. Unless otherwise stated, the use of the product must be in accordance with the labels at **Attachments 1 and 2**.

Supply

The supplier must supply the product in a container that complies with the requirements of section 18 of the Agricultural and Veterinary Chemicals Code Regulations. Attached to this container must be a label which is identical in content and format to the labels at **Attachment 1 and 2**.

1. Each component product must only be supplied for this purpose to registered veterinarians.
2. Material Safety Data Sheets (MSDS) must be provided with each purchase of sodium molybdate dihydrate.
3. Persons who wish to prepare for use and/or use these products for the purposes specified in this permit must read, or have read to them, the details and conditions of this permit and comply with them.
4. All adverse reactions resulting from the treatment must be promptly reported to the APVMA Adverse Experiences Reporting Program on 1800 700 583.
5. Attached to the product container must be a label which is identical in content and format to the label in Attachment 1 or 2 as appropriate.

Issued by the Australian Pesticides and Veterinary Medicines Authority

Note: 19/11/2015 – extended expiry date to 31 December 2020, consolidated conditions and removed permit coordinator contact details; issued as version 2.

11/02/2021 – Permit updated to remove sodium molybdate MSDS and update the packaging condition and AERP contact details. Permit expiry extended to 28/02/2026. Permit issued as Version 3.

Attachment 1: Sample label sodium molybdate dihydrate

Attachment 2: Sample label for sodium sulfate anhydrous

Attachment 1: Sodium molybdate dihydrate label

THIS IS AN UNREGISTERED VETERINARY CHEMICAL PRODUCT AND IS AVAILABLE ONLY UNDER APVMA PERMIT 10752

Product name - sodium molybdate dihydrate (CAS number 10102-40-6)

Active constituent – containing not less than 98% sodium molybdate dihydrate

Directions for Use:

Situation	Purpose	Dose
SHEEP	TREATMENT OF COPPER POISONING AS AN ORAL DRENCH	Mix 1000 g sodium sulfate with 400 g sodium molybdate and 5.0L of hot water.

This mixture is sufficient to treat 500 sheep with 2.0g sodium sulfate and 0.8g sodium molybdate per sheep when given using standard equipment as a single oral drench of 10 mL per sheep. Use drench while still warm and shake container regularly to prevent the active constituents from precipitating out of solution. Use prepared drench within 48 hours. Repeat at weekly intervals for up to three (3) treatments if necessary.

OR

Situation	Purpose	Dose
SHEEP	TREATMENT OF COPPER POISONING AS A LOOSE LICK	Mix 3000 g sodium sulfate with 240 g sodium molybdate and 4.5 kg common salt.

This mixture is sufficient to treat 100 sheep with 30g sodium sulfate and 2.4g sodium molybdate per sheep when supplied as a loose lick. Administer as a well mixed loose lick in open troughs. Do not repeat this treatment in less than three (3) weeks.

Withholding Periods (WHP):

MEAT: DO NOT USE less than 8 weeks before slaughter for human consumption.

MILK: DO NOT USE in lactating ewes where milk or milk products may be used for human consumption.

Export Slaughter Interval (ESI):

SHEEP: DO NOT slaughter for export less than 8 weeks after last treatment.

General Instructions on preparation, mixing – see Directions for Use tables and PER 10752.

Warnings:

Possible risk to users of impaired fertility and harm to the unborn child.

Material Safety Data Sheet (MSDS): Further information is provided in the MSDS.

First aid:

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone Australia 131126.

Safety Directions:

Will irritate eyes and skin. May irritate eyes and throat. Avoid contact with eyes and skin. Avoid inhaling dust. When opening the container, preparing product for use and using the product, wear cotton overalls buttoned to the neck and wrists (or equivalent clothing), elbow-length chemical-resistant gloves, face shield or goggles and disposable (dust) face mask covering mouth and nose. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

Storage: Store in a cool, dry place away from livestock, pets, wildlife and children.

Disposal: Shake any remaining product into medicated water or loose lick. Deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit, specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. This alternative method must comply with relevant Local, State or Territory government legislation. Empty containers and product must not be burnt.

Attachment 2: Sodium sulfate anhydrous label

THIS IS AN UNREGISTERED VETERINARY CHEMICAL PRODUCT AVAILABLE ONLY UNDER APVMA PERMIT 10752

Product name - Sodium sulfate anhydrous (CAS number 7757-82-6).

Active constituent – containing not less than 99% sodium sulfate anhydrous.

Directions for Use:

Situation	Purpose	Dose
SHEEP	TREATMENT OF COPPER POISONING AS AN ORAL DRENCH	Mix 1000 g sodium sulfate with 400 g sodium molybdate and 5.0L of hot water.

This mixture is sufficient to treat 500 sheep with 2.0g sodium sulfate and 0.8g sodium molybdate per sheep when given using standard equipment as a single oral drench of 10 mL per sheep. Use drench while still warm and shake container regularly to prevent the active constituents from precipitating out of solution. Use prepared drench within 48 hours. Repeat at weekly intervals for up to three (3) treatments if necessary.

OR

Situation	Purpose	Dose
SHEEP	TREATMENT OF COPPER POISONING AS A LOOSE LICK	Mix 3000 g sodium sulfate with 240 g sodium molybdate and 4.5 kg common salt.

This mixture is sufficient to treat 100 sheep with 30g sodium sulfate and 2.4g sodium molybdate per sheep when supplied as a loose lick. Administer as a well mixed loose lick in open troughs. Do not repeat this treatment in less than three (3) weeks.

Withholding Periods (WHP):

MEAT: DO NOT USE less than 8 weeks before slaughter for human consumption.

MILK: DO NOT USE in lactating ewes where milk or milk products may be used for human consumption.

Export Slaughter Interval (ESI):

SHEEP: DO NOT slaughter for export less than 8 weeks after last treatment.

General Instructions on preparation, mixing – see Directions for Use tables and PER 10752.

First aid:

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone Australia 131126.

Storage: Store in a cool, dry place away from livestock, pets, wildlife and children.

Disposal: Shake any remaining product into medicated water or loose lick. Deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit, specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. This alternate method must comply with relevant Local, State or Territory government legislation. Empty containers and product must not be burnt.