

SAFETY DATA SHEET

Melovem 30

Section 1: Identification of the Substance and Supplier

Product Name:	Melovem 30
ACVM Registration Number:	A11562
Pack sizes:	100mL
Recommended Use:	Non-steroidal anti-inflammatory, analgesic and antipyretic injection for use in cattle and pigs.

Cattle: For use in acute respiratory infection with appropriate antibiotic therapy to reduce clinical signs in cattle. For use in diarrhoea in combination with oral re-hydration therapy to reduce clinical signs in calves of over one week of age and young cattle. For use in acute mastitis, in combination with antibiotic therapy, as appropriate, to reduce clinical symptoms in lactating cows. For use to assist in the control of pain following the dehorning of cattle particularly that following heat cautery dehorning of young cattle. It is recommended that the injection be administered approximately 10 minutes before dehorning and be accompanied by cornual nerve block anaesthesia.

Pigs: For use in acute non-infectious locomotor disorders to reduce the symptoms of lameness and inflammation. For use in puerperal septicaemia and toxæmia (mastitis-metritis-agalactia syndrome) with appropriate antibiotic therapy in sows.

Company Details:	AgriHealth NZ Ltd 89 Grafton Road, Grafton, Auckland 1010, New Zealand Phone: +64 9 215 1199 Fax: +64 9 984 9455 Website: www.agrihealth.co.nz
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Emergency Telephone:	National Poisons Centre: 0800 764 766 (0800 POISON) Fire Service, Ambulance: Dial 111
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Section 2: Hazards Identification

Classified as a hazardous substance according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Melovem 30 is approved pursuant to the HSNO Act 1996, **HSR100757**. The EPA website www.epa.govt.nz should be consulted for the full list of triggered controls and cited regulations.

Hazard Classifications:

6.1E Acute oral toxin
6.3A Skin irritant
6.4A Eye irritant
6.5B Skin sensitiser
6.8A Reproductive/developmental toxin
6.9B Target organ toxin
9.3C Terrestrial vertebrate toxin

Signal word:**WARNING****Hazard statements:**

May be harmful if swallowed
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May damage fertility or the unborn child
May cause damage to organs through prolonged or repeated exposure.
Harmful to terrestrial vertebrates

Precautionary statements:

Keep out of reach of children
Read label before use
Wear protective gloves and eye protection
Wash hands and exposed skin thoroughly after handling
Take off contaminated clothing and wash before reuse
Contaminated work clothing should not be allowed out of the workplace
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Store locked up
Avoid release to the environment

First Aid:

If medical advice is needed, have product container or label at hand
IF ON SKIN: Wash with plenty of soap and water

If skin irritation or rash occurs: get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention

If exposed or concerned, or if you feel unwell: Get medical advice/attention or call the National Poisons Centre 0800 POISON (0800 764 766)

Section 3: Composition / Information on Ingredients

Product Components:

Name	CAS Number	Concentration
Meloxicam	71125-38-7	3%
N-methylpyrrolidone	872-50-4	19%
Non-hazardous components	N/A	78%

N/A = not applicable or not available

Section 4: First Aid Measures

First Aid Measures:

For advice contact the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor.

Accidental self-injection: Care should be taken to avoid accidental self-injection. If injection occurs, seek medical attention.

Skin Contact: If skin contact occurs remove contaminated clothing and wash skin with soap and water. If skin irritation, rash or symptoms occur or persist, consult a doctor.

Eyes: If eye contact occurs, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.

Ingestion: If swallowed and you feel unwell, seek medical attention. Rinse mouth.

Workplace Facilities:

No special facilities are required.

Required Instructions:

Wear protective gloves and eye protection. Wash contaminated clothing before reuse.

Notes for Medical Personnel: In case of overdose, symptoms may include nausea, vomiting, diarrhoea and allergic reaction. Treat exposed patients symptomatically.

Section 5: Fire Fighting Measures

- Type of hazard:** Non-Flammable
- Hazardous thermal decomposition products:** Nitrogen oxides (NO_x); Sulphur dioxide (SO₂); Carbon dioxide (CO₂); Carbon monoxide (CO)
- Extinguishing Media and Methods:** Water spray, dry powder, carbon dioxide, or foam. Do not use full jet water.
- Hazchem Code:** N/A
- Recommended Protective Clothing:** Wear full protective clothing and self-contained breathing apparatus (SCBA)

Section 6: Accidental Release Measures

- Emergency Procedures:** Wear suitable protective clothing including eye protection. Restrict access to contaminated area. REMOVE SOURCES OF IGNITION. Prevent further spillage, and prevent spilled material from flowing onto adjacent land or into waterways. Retrieve intact containers from site. Place damaged containers into containment devices. Clean the contaminated area with new sponges soaked in water. Place the spillage including sponges into sealable containers for disposal. Avoid contamination of water courses or sewers. Dispose of waste safely.

Section 7: Handling and Storage

- Precautions for Safe Handling:** Wear protective gloves and eye protection. Avoid contact with skin and eyes. Care should be taken to avoid self-injection.
- Regulatory Requirements:** An emergency response plan is required when stored in quantities of **1,000L** or greater.
- Secondary containment is required when stored in quantities of **1,000L** or greater.
- Signage is required for this substance when stored in quantities of **10,000L** or greater.
- Handling Practices:** Avoid skin contact. Wash hands and exposed skin before meals and after use. Do not eat, drink or smoke while using.
- Wash contaminated clothing before reuse.

Approved Handlers:	Not required
Conditions for Safe Storage:	Store below 25°C. Store in the original container, away from direct heat or direct sunlight. Keep out of reach of children.
Packaging:	Store locked up in original container, away from foodstuffs, in a well-ventilated place.

Section 8: Exposure Control / Personal Protection

Workplace Exposure Standards:	None set
Application in the Workplace:	Prevent exposure by using engineering controls, personal protective equipment and work practices that prevent contact with skin and eyes, and prevent self-injection.
Exposure Standards outside the Workplace:	None set
Personal Protection:	Wear protective gloves. Do not eat, drink or smoke when using this product. Wash hands with soap and water before breaks and after work. Keep away from foodstuffs and beverages.

Section 9: Physical and Chemical Properties

Product Properties:	Appearance:	Pale yellow clear liquid
	Flammability:	Non-flammable
	pH:	8.3 – 9.3
	Solubility:	Soluble

Section 10: Stability and Reactivity

Stability of the Substance:	Stable under normal conditions of use and storage
Conditions to Avoid:	Avoid elevated temperatures, flame and ignition sources
Material to Avoid:	Strong oxidizing agents
Hazardous Decomposition Properties:	Nitrogen oxides (NO _x); Sulphur dioxide (SO ₂); Carbon dioxide (CO ₂); Carbon monoxide (CO)
Hazardous Polymerisation:	Does not occur

Section 11: Toxicological Information

HSNO Classification: 6.1E (oral), 6.3A, 6.4A, 6.5B, 6.8A, 6.9B

No data is available for the formulated product. The following information relates to meloxicam and N-methylpyrrolidone.

Acute toxicity:

Ingredient	LD50	Species	Result
Meloxicam	Oral	Rat	83.5 mg/kg
Meloxicam	Oral	Mouse	470 mg/kg
Meloxicam	Oral	Rabbit	320 mg/kg
N-methylpyrrolidone	Oral	Rabbit	3500 mg/kg

Skin irritation: N-methylpyrrolidone – moderately irritating to the skin

Eye irritation: No data for meloxicam
N-methylpyrrolidone: Rabbit – Irritating to the eye

Sensitisation: No data

Mutagenicity: Meloxicam: Not mutagenic

Carcinogenicity: Meloxicam: Not carcinogenic

Reproductive effects: Meloxicam: No reproductive impairments
N-methylpyrrolidone: Reproductive toxin in rats at 50mg/kg

Teratogenicity: Meloxicam:

Ingredient	Species	Dose/time	Result
Meloxicam	Rat	≥0.125 mg/kg/day late gestation	Increase in stillbirth rate
	Rat	4 mg/kg/day	Decreased pup survival
Meloxicam	Rabbit	60 mg/kg/day during oogenesis	Increased septal defect of the heart and embryo lethality

Section 12: Environmental Information

HSNO Classification: 9.3C

No data is available for the formulated product. The following information relates to meloxicam.

Toxicity:

Meloxicam:

Aquatic toxicity: Daphnia magna EC5048hr >1.0 mg/L

Persistence and biodegradability: No data

Bioaccumulative potential: Log Pow 3.43 experimental

Section 13: Disposal Considerations

Disposal Information: Preferably dispose of the product by use. Otherwise dispose of product and packaging at an approved landfill or other approved facility. Avoid contamination of any water supply with product or empty container.

Section 14: Transport Information

Land Transport Not classified as dangerous goods for transport under NZ Standard 5433:2007 Transport of Dangerous Goods on Land.

Air Transport Not classified as dangerous goods for transport under International Civil Aviation Organisation and International Air Transport Association regulations

Sea Transport Not classified as dangerous goods for transport under International Maritime Organisation regulations

UN Number N/A

Proper Shipping Name N/A

DG Class N/A

Subsidiary Risk N/A

Packing Group N/A

HAZCHEM Code N/A

Marine Pollutant No

The maximum quantity of this substance allowed for carriage on public service vehicles is 100mL.

Section 15: Regulatory Information

Regulatory Status: Registered pursuant to the ACVM Act 1997, No A11562
See www.foodsafety.govt.nz for registration conditions

HSNO and ACVM Controls: Refer to section 2

List Exposure Limits: None set

An SDS must be provided whenever **100mL** of Melovem 30 is sold or supplied.

An emergency response plan is required when stored in quantities of **1,000L** or greater.
Secondary containment is required when stored in quantities of **1,000L** or greater.

Signage is required for this substance when stored in quantities of **10,000L** or greater.

Section 16: Other Information

Additional Information: For product information see the AgriHealth website:
www.agrihealth.co.nz

Date of preparation: 08 February 2019

Due for revision within 5 years.

The SDS summarises, at the date of issue, AgriHealth's best knowledge of the health and safety hazard information. Although reasonable care has been taken in the preparation of this document, AgriHealth NZ Ltd extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. AgriHealth NZ Ltd urges the recipient of this SDS to study it carefully to become aware of, and understand, the hazards associated with the product as well as determine the suitability of the information for the intended purpose.