



SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1 Identification of the material and the supplier

Product: **Melovem 30**
Product Use: Non-steroidal anti-inflammatory, analgesic and antipyretic injection for use in cattle, sheep, pigs and horses.
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.
Sheep: For use in sheep and lambs 14 days of age or older for the alleviation of pain and inflammation.
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.
Horses: For rapid initiation of therapy of musculoskeletal disorders and relief of pain associated with colic.

Restriction of Use: Refer to Section 15

New Zealand Supplier: **Agrihealth NZ Ltd**
Address: Level 2, 89 Grafton Road,
Auckland 1010

Telephone: +64 9 215 1199
Emergency No: 0800 764 766 (National Poisons Centre)

Date of SDS Preparation: 07 May 2024

Section 2 Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

EPA Approval No: Veterinary Medicines (Limited pack size, Finished dose) Group Standard – HSR100757

Pictograms:



Signal Word: **DANGER**

GHS Category	Hazard Code	Hazard Statement
Skin irritation Cat. 2	H315	Causes skin irritation
Eye irritation Cat. 2	H319	Causes serious eye irritation
Skin sensitisation Cat. 1	H317	May cause an allergic skin reaction
Reproductive toxicity Cat. 1	H360	May damage fertility or the unborn child
Specific target organ toxicity – single exposure Cat. 3 respiratory tract irritation	H335	May cause respiratory irritation
Hazardous to terrestrial vertebrates	H432	Hazardous to terrestrial vertebrates

Prevention Code	Prevention Statement
P103	Read carefully and follow all instructions
P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P261	Avoid breathing dust, fumes, gas, mist, vapours or spray
P264	Wash hands thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P280	Wear protective clothing [as detailed in SDS Section 8]

Response Code	Response Statement
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P302 + P352	IF ON SKIN: Wash with plenty of water
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308 + P313	IF exposed or concerned: Get medical advice/ attention
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention
P337 + P313	If eye irritation persists: Get medical advice/attention
P362 + P364	Take off contaminated clothing and wash before reuse

Storage Code	Storage Statement
P405	Store locked up
P403 + P233	Store in a well-ventilated place. Keep container tightly closed

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3 Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER
Meloxicam	3%	71125-38-7
N-methylpyrrolidone	19%	872-50-4
Benzyl Alcohol	1-3%	100-51-6
Non-hazardous ingredients	Bal to 100%	Proprietary

Section 4 First Aid Measures

Accidental self-injection:

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

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Take off contaminated clothing and wash before reuse. Wash skin with plenty of soap and water. If skin irritation or rash occurs: get medical advice/attention.
If Swallowed	Wash out mouth thoroughly with water. Do not induce vomiting. Never give anything to the mouth of an unconscious person. Call the National Poisons Centre 0800 764 766 or a doctor/physician for advice.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion:	Not applicable.
Inhalation:	May cause respiratory irritation.
Skin:	Causes skin irritation. May cause an allergic skin reaction.
Eye:	Causes serious eye irritation.
Chronic:	May damage fertility or the unborn child.

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

Section 5 Fire Fighting Measures

Hazard Type	Non-Flammable
Hazards from combustion products	Nitrogen oxides (NO _x); Sulphur dioxide (SO ₂); Carbon dioxide (CO ₂); Carbon monoxide (CO)
Suitable Extinguishing media	Water spray, dry powder, carbon dioxide, or foam. Do not use full jet water.
Precautions for firefighters and special protective clothing	Wear full protective clothing and self-contained breathing apparatus (SCBA)
HAZCHEM CODE	Not allocated

Section 6 Accidental Release Measures

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel. 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. 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 as per Section 13.

Section 7 Handling and Storage

Precautions for Handling:

- Read carefully and follow all instructions
- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Avoid breathing dust, fumes, gas, mist, vapours or spray
- Wash hands thoroughly after handling
- Use only outdoors or in a well-ventilated area
- Contaminated work clothing should not be allowed out of the workplace
- Wash contaminated clothing before reuse
- Avoid release to the environment
- Wear protective clothing [as detailed in SDS Section 8]
- Care should be taken to avoid self-injection
- Avoid contact with skin and eyes
- Wash hands and exposed skin before meals and after use
- Do not eat, drink or smoke while using

Precautions for Storage:

- Store away from incompatible materials listed in Section 10
- Store below 25°C
- Store in the original container away from direct heat or direct sunlight
- Keep out of reach of children
- Store locked up
- Store away from foodstuffs and in a well-ventilated place

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredient has a known exposure standard.

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APR 2022 13TH EDITION.

Engineering Controls

Prevent exposure by using engineering controls, personal protective equipment and work practices that prevent contact with skin and eyes and prevent self-injection.

Personal Protection Equipment



Eyes	Wear protective goggles
Hands	Wear protective gloves
Skin	Use protective clothing
Respiratory	Not required
General	Wash hands with soap and water before breaks and after work. Keep away from foodstuffs and beverages

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Pale yellow
Odour	Not available
Odour Threshold	Not available
pH	8.3 – 9.3
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Density	Not available
Water Solubility	Soluble
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10 Stability and Reactivity

Stability of Substance	This product is stable under normal conditions and storage
Possibility of hazardous reactions	No data available
Conditions to Avoid	Avoid elevated temperatures, flame and ignition sources
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Nitrogen oxides (NOx); Sulphur dioxide (SO ₂); Carbon dioxide (CO ₂); Carbon monoxide (CO)

Section 11 Toxicological Information**Acute Effects:**

Swallowed	Not applicable
Dermal	Not applicable
Inhalation	May cause respiratory irritation
Eye	Causes serious eye irritation
Skin	Causes skin irritation. May cause an allergic skin reaction

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

Chronic Effects:

Carcinogenicity	Suspected of causing cancer
Reproductive Toxicity	May damage fertility or the unborn child
Germ Cell Mutagenicity	Not applicable
Aspiration	Not applicable
STOT/SE	Not applicable
STOT/RE	Not applicable

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 Ecotoxicological Information

Hazardous to terrestrial vertebrates.

Product:	
Persistence and degradability	No data available
Bioaccumulation	Meloxicam: Log Pow 3.43 experimental
Mobility in Soil	No data available
Other adverse effects	No data available

Meloxicam:

Aquatic Toxicity: Daphnia magna EC₅₀48hr >1.0 mg/L

Section 13 Disposal Considerations**Disposal Method:**

Preferably dispose of the product by use. Otherwise dispose of product and packaging at an approved landfill or other approved facility.

Precautions or methods to avoid: Avoid contamination of any water supply with product or empty container.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ; NZS 5433:2020

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: Veterinary Medicines (Limited pack size, Finished dose) Group Standard – **HSR100757**

HSW (HS) Regulations 2017	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities (Schedule 26)	Not required
Signage Trigger Quantities (Schedule 3)	1000 L
Emergency Response Plan (Schedule 5)	1000L
Secondary Containment (Schedule 5)	1000L
Restriction of Use	Only use for the intended purpose

ACVM Act and Regulations

See www.foodsafety.govt.nz for registration conditions

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Section 16 Other Information

Glossary

Cat	Category
EC ₅₀	Median effective concentration
EEL	Environmental Exposure Limit
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms
HSW	Health and Safety at Work
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it
LD ₅₀	Lethal dose to kill 50% of test animals/organisms
LEL	Lower explosive level
OSHA	American Occupational Safety and Health Administration
TEL	Tolerable Exposure Limit
TLV	Threshold Limit Value-an exposure limit set by responsible authority
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices April 2022 edition
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013)
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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