



Amox-Melox Safety Data Sheet

VPS SDS-06
Revision 000
Effective: 26 DEC 25

Section 1: Identification

Product Name: Amox-Melox

Chemical Name/Synonyms: Amox-Melox Solution; Amoxicillin/Meloxicam Solution; β -Lactam Antibiotic/NSAID Combination Product; Veterinary non-aqueous solution formulation

Company:

Veterinary Pharmaceutical Solutions

2008 North Sunrise Drive
Saint Peter MN, 56082
United States

Restrictions on Use: For veterinary use only. Not for human consumption.

In emergency call 911 or CHEMTREC (24hr): 1-800-424-9300

For information about this SDS, contact phone#: 1-877-931-8707

Section 2: Hazard(s) Identification

See <https://www.sigmaaldrich.com/safety-center/globally-harmonized.html> for a list of hazard classifications, signal words, hazard statements, pictograms, precautionary statements, and a description of hazards.

Hazard Classification:

Respiratory Sensitization (Category 1) H334
Skin Sensitization – (Category 1) H317
Reproductive Toxicity – (Category 1B) H360
Acute Toxicity (Oral) – (Category 4) H302

Signal Word(s): Danger

Hazard Statements:

H302 – Harmful if swallowed.
H317 – May cause an allergic skin reaction.
H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H360 – May damage fertility or the unborn child.



Pictograms:

Precautionary Statements:

P201 – Obtain special instructions before use.



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P202 – Do not handle until all safety precautions have been read and understood.
 P261 – Avoid breathing vapors, mists, or spray.
 P264 – Wash hands, forearms, and exposed areas thoroughly after handling.
 P270 – Do not eat, drink, or smoke when using this product.
 P272 – Contaminated work clothing must not be allowed out of the workplace.
 P280 – Wear protective gloves, protective clothing, and eye protection.
 P284 – Wear respiratory protection if ventilation is inadequate.
 P301+P312 – IF SWALLOWED: Call a poison center/doctor if you feel unwell.
 P302+P352 – IF ON SKIN: Wash with plenty of water.
 P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.
 P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P342+P311 – If experiencing respiratory symptoms: Call a poison center/doctor.
 P308+P313 – If exposed or concerned: Get medical advice/attention.
 P405 – Store locked up.
 P403+P233 – Keep container tightly closed and store in a well-ventilated place.
 P501 – Dispose of contents/container in accordance with local, regional, national, and international regulations.

Description of other hazards: Exposure may aggravate pre-existing respiratory or dermatologic conditions. Contains pharmaceutical actives that may elicit allergic reactions in sensitized individuals. Repeated occupational exposure to meloxicam may exacerbate endocrine or reproductive effects. Product contains no combustible dust hazard in finished product form.

Section 3: Composition/ Information on Ingredients

| Chemical Name | Synonym | CAS# | Conc. |
|------------------------|------------------------------|-------------|-------|
| Amoxicillin trihydrate | β -lactam antibiotic | 61336-70-7 | * |
| Meloxicam | NSAID; oxicam derivative | 71125-38-7 | * |
| Corn Oil NF | Pharmaceutical excipient | 8001-30-7 | * |
| Silicon dioxide | Colloidal silica; Aerosil | 112945-52-5 | * |
| Cherry Flavor Oil | Natural/artificial flavoring | Proprietary | * |

* = The composition of this ingredient is withheld as a trade secret in accordance with OSHA 29 CFR 1910.1200(i). Additional non-hazardous excipients are present at non-reportable concentrations.

Section 4: First-Aid Measures

General Advice: If the exposed individual feels unwell, seek medical attention immediately. Never administer anything by mouth to an unconscious person.

After skin contact: Remove contaminated clothing. Rinse skin thoroughly with water for at least 15



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minutes. If irritation, rash, or sensitization develops or persists, obtain medical attention. Wash contaminated clothing before reuse.

After eye contact: Flush eyes cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do, then continue rinsing. If eye irritation persists, seek immediate medical attention.

After inhalation: Move individual to fresh air and maintain a position that supports breathing. If respiratory irritation, wheezing, or symptoms of allergic reaction occur, seek immediate medical attention.

After swallowing: Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention if symptoms occur.

Most Important Symptoms and Effects Both Acute and Delayed: May cause allergic skin reactions or respiratory sensitization. Harmful if swallowed. May cause endocrine or reproductive effects with prolonged or repeated exposure (meloxicam component). May cause gastrointestinal discomfort, respiratory irritation, or skin irritation.

Indication of immediate medical attention: Provide label or SDS to medical personnel. Treat symptomatically. Monitor for respiratory distress in individuals with known β -lactam sensitivity. Sensitized individuals may react at very low exposure levels.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Use extinguishing media appropriate to the surrounding fire. Suitable agents include dry chemical powder, carbon dioxide (CO₂), and alcohol-resistant foam.

Unsuitable Extinguishing Agents: Do not use high-pressure water streams, as these may spread the material.

Special Hazards arising from the substance or mixture: This product is not classified as flammable. Under fire conditions, heating or combustion may generate carbon oxides, nitrogen oxides, and other irritating or toxic fumes. Containers exposed to fire may build internal pressure.

Special protective equipment for firefighters: Use self-contained breathing apparatus and protective clothing

Additional Considerations: Prevent firefighting runoff from entering drains, sewers, or natural water sources.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Avoid contact with spilled material. Evacuate non-essential personnel. Ensure adequate ventilation. Use appropriate personal protective equipment including chemical-resistant gloves, protective clothing, and eye protection. Respiratory protection may be required if aerosol or mist is present.

Environmental Precautions: Prevent release into drains, sewers, or natural waterways. Avoid environmental contamination due to the biological activity of pharmaceutical ingredients.

Methods and Materials for Containment and Cleanup: For small spills, absorb with inert non-combustible material (e.g., sand, clay) and place into a suitable labeled container for disposal. For larger spills, dike to contain the liquid and transfer to appropriate containers. Wash the spill area with water and detergent after removal of bulk material. Prevent wash water from entering drains or soil.

Section 7: Handling and Storage

Handling: Handle in accordance with good industrial hygiene and safety practice. Use only in well-ventilated areas. Avoid breathing vapors, mists, or aerosols. Prevent contact with skin, eyes, and clothing. Do not eat, drink, or smoke while using this product. Wash hands, forearms, and exposed skin thoroughly after handling. Avoid generating droplets during transfer or mixing. Wear appropriate



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personal protective equipment. Remove contaminated clothing and wash before reuse. Follow standard industrial hygiene and safety practices.

Storage: Store in a cool, dry, well-ventilated area away from heat. Keep containers tightly closed when not in use. Protect from freezing and extreme temperatures. Store separately from incompatible materials such as strong acids, strong bases, or oxidizing agents. Maintain good housekeeping and ensure containers remain properly labeled.

Section 8: Exposure Controls/Personal Protection

Exposure Limits: No OSHA PEL, ACGIH TLV, or NIOSH REL established for the mixture or its active pharmaceutical ingredients.

Engineering Controls: Provide adequate general or local exhaust ventilation to maintain airborne concentrations below levels known to cause sensitization. Ensure that eyewash stations and safety showers are accessible in areas where the product is handled.

Respiratory Protection: Not generally required under normal conditions of use. If ventilation is inadequate or aerosol/mist generation occurs, use a NIOSH-approved respirator appropriate for particulates or mists. Sensitized individuals may require enhanced respiratory protection.

Skin Protection: Wear chemical-resistant gloves (nitrile recommended). Use long-sleeved protective clothing to minimize skin contact. Launder contaminated clothing before reuse.

Eye Protection: Use safety goggles or face shield if splash risk exists.

Environmental Exposure Controls: Avoid release to the environment.

General Hygiene Measures: Wash hands and exposed areas thoroughly after handling. Do not eat, drink, or smoke when using this product. Prevent contaminated work clothing from leaving the workplace and launder before reusing.

Section 9: Physical and Chemical Properties

Appearance: Off-white to pale yellow

Odor: Mild; characteristic of flavored oil-based pharmaceutical solutions

Odor Threshold: Not determined

pH: Not determined

Melting Point/Freezing Point: Not determined

Boiling Point/Range: Not determined

Flash Point: Not determined

Evaporation Rate: Not determined

Flammability (Solid, Gas): Not applicable

Upper/Lower Flammability or Explosive Limits: Not determined

Vapor Pressure: Not determined

Vapor Density: Not determined

Relative Density: Not determined

Solubility in Water: Insoluble

Partition Coefficient (n-octanol/water): Not determined

Auto-Ignition Temperature: Not determined

Decomposition Temperature: Not determined

Relative Viscosity: Not determined

Section 10: Stability and Reactivity

Reactivity: Stable under normal conditions

Chemical stability: Stable with recommended handling and storage



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Possibility of Hazardous Reactions: Hazardous polymerization is not expected. No hazardous reactions anticipated during normal processing or storage.

Conditions to avoid: Avoid excessive heat, freezing, and direct sunlight. Avoid aerosol generation during handling

Incompatible materials: Strong acids, strong bases, and oxidizing agents

Hazardous decomposition products: Thermal decomposition may produce carbon oxides, nitrogen oxides, and other irritating fumes or gases

Section 11: Toxicological Information

Acute Toxicity: The mixture is classified as harmful if swallowed due to the meloxicam component (Acute Toxicity Oral Category 4). Symptoms may include nausea, abdominal discomfort, and gastrointestinal irritation. Sensitized individuals may react at lower exposure levels.

Dermal (Skin Contact): May cause an allergic skin reaction (Skin Sensitization Category 1).

Skin Sensitization: Amoxicillin is a known skin sensitizer. Repeated or prolonged dermal exposure may cause allergic dermatitis or rash in sensitized individuals.

Respiratory Sensitization: Amoxicillin may cause respiratory sensitization. Inhalation of aerosols or mists may provoke allergic responses such as coughing, wheezing, chest tightness, or asthma-like symptoms. Sensitized individuals may react at very low exposure levels.

Cross-Sensitization: β -lactam sensitization may result in cross-reactivity with other penicillins or cephalosporins.

Other Components: Meloxicam, corn oil NF, silicon dioxide, and cherry flavor oil are not classified as sensitizers based on available data.

Eye Contact: May cause irritation, redness, or tearing.

Inhalation: May cause allergic respiratory reactions (Respiratory Sensitization Category 1). Symptoms may include coughing, wheezing, chest tightness, and difficulty breathing, particularly in individuals with known sensitivity to β -lactam antibiotics.

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation or systemic effects associated with meloxicam and amoxicillin.

| Substance | Oral LD50 (Rat) | Dermal LD50 (Rabbit) | Inhalation LC50 |
|------------------------|--|----------------------|-----------------|
| Amoxicillin trihydrate | 6,000 mg/kg (rat, oral) | Not Determined | Not Determined |
| Meloxicam | 98–141 mg/kg (rat, oral) (moderate toxicity) | >2,000 mg/kg | Not Determined |
| Silicon dioxide | >3,160 mg/kg (rat, oral) | Not Determined | Not Determined |
| Corn Oil NF | Not classified | Not classified | Not classified |
| Cherry Flavor Oil | Not classified | Not classified | Not classified |

Carcinogenicity, Mutagenicity, and Reproductive Toxicity:

Carcinogenic Effects: Not listed by IARC, NTP, or OSHA

Mutagenic Effects: Not listed by IARC, NTP, or OSHA

Reproductive Toxicity: Meloxicam (Reproductive Toxicity Category 1B) may cause adverse reproductive or developmental effects based on animal studies.



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Specific Target Organ Toxicity (STOT):

Single Exposure: No classification beyond respiratory irritation/sensitization

Repeated Exposure: Repeated occupational exposure to meloxicam may cause adverse effects on reproductive organs. Repeated exposure to β -lactam antibiotics may lead to chronic sensitization.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: The mixture contains pharmaceuticals that may be harmful to aquatic organisms. Avoid environmental release.

| Substance | Fish (LC50) | Crustacea (EC50) | Algae (EC50 / ErC50) |
|------------------------|------------------|------------------|----------------------|
| Amoxicillin trihydrate | >100 mg/L (96 h) | >100 mg/L (48 h) | 11 mg/L (72 h) |
| Meloxicam | Not Determined | Not Determined | Not Determined |
| Silicon dioxide | >100 mg/L | >100 mg/L | Not Determined |
| Corn Oil NF | Not Determined | Not Determined | Not Determined |
| Cherry Flavor Oil | Not Determined | Not Determined | Not Determined |

Persistence and Degradability: Not determined for the mixture. Active pharmaceutical ingredients may be persistent in aquatic environments.

Bioaccumulative Potential: Not determined for the mixture. Certain pharmaceutical actives may exhibit potential for bioaccumulation.

Mobility in Soil: Not determined.

Other Adverse Effects: No additional data available.

Section 13: Disposal Considerations (non-mandatory)

Waste Treatment Methods: Dispose of contents, residues, and contaminated materials in accordance with federal, state, and local regulations. Do not dispose of material into drains, sewers, or natural waterways. Absorb small amounts with inert materials and place in properly labeled containers.

Product Disposal: Pharmaceutical waste may require special handling. Follow all applicable regulations for disposal of pharmaceutical preparations. Do not release untreated product into the environment.

Container Disposal: Empty containers may contain residues and should be treated as hazardous waste. Dispose of containers in accordance with local regulatory requirements. Do not reuse empty containers.

Regulatory Considerations: Disposal must comply with all applicable federal, state, and local regulations.

Section 14: Transport Information (non-mandatory)

| Regulatory Body | Classification |
|---|---|
| U.S. DOT (49 CFR 172.101) | Not classified as hazardous or dangerous goods for transport. |
| IATA (Air Transport) | |
| IMDG (Maritime Transport) | |
| TDG (Canada Transport of Dangerous Goods) | |



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Special Precautions for Transport: Keep containers sealed during transport. Protect from temperature extremes, freezing, and physical damage. Ensure that containers remain upright and secured during movement.

Section 15: Regulatory Information (non-mandatory)

U.S. Federal Regulations:

TSCA: All components are listed or exempt from listing under the Toxic Substances Control Act.

SARA Title III:

Section 311/312: Applies — acute toxicity, respiratory sensitization, skin sensitization, reproductive toxicity.

Section 302: No components are subject to the reporting requirements of 40 CFR 355.

Section 313: This product does not contain any components subject to SARA 313 reporting.

CERCLA: No components are listed under CERCLA hazardous substance requirements in reportable quantities.

RCRA: Not classified as hazardous waste under 40 CFR Part 261

U.S. State Regulations:

California Proposition 65: Meloxicam may be listed under reproductive toxicity classifications. Users should review state-specific regulations for additional requirements.

International Regulations: Regulatory requirements vary by region; users are responsible for following local, regional, and national regulations applicable to handling and disposal of pharmaceutical materials.

Section 16: Other Information

SDS Code: SDS-XX Amox-Melox

References: Data sourced from component SDSs, regulatory databases, and supplier information.

SDS Prepared By: Veterinary Pharmaceutical Solutions

Date of Last Revision: Month, Day, Year

For More Information: Contact VPS at 1-877-931-8707

Disclaimer: This SDS is intended to provide a summary of health, safety, and environmental information as required by OSHA 29 CFR 1910.1200 and GHS regulations. The information is believed to be accurate but is provided without warranty, express or implied. Users are responsible for compliance with all applicable regulations and safe handling practices.