SAFETY DATA SHEETS

This SDS packet was issued with item:

078948524

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078951307

SECTION 1: IDENTIFICATION

1.1 Product identifier	
Product name	Meloxivet (meloxicam) 5 mg/mL Solution for Injection
Chemical name	Not Applicable
Synonyms	Not Available
Proper shipping name	Flammable liquids, n.o.s.
Chemical formula	Not Applicable
Other means of identification	Not Available
1.2 Relevant identified uses of the substances or mixture and uses advised against	
Recommended uses	Control of pain and inflammation associated with osteoarthritis in dogs
1.3 Details of the supplier of the substance or mixture	
Registered company name (US)	Dechra Veterinary Products
Address	7015 College Blvd Suite 525 Overland Park KS 66211 USA
Telephone	866-933-2472
Fax	Not Available
Email	Not Available
1.4 Emergency telephone numbers	
Dechra (US)	866-933-2472

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Safety Data Sheet according to OSHA HazCom Standard (2012) requirements (GHS.USA)

NFPA 704 diamond

Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)

Classification	Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2A, Reproductive Toxicity Category 1B, Flammable Liquids Category 3
2.2 Label elements	
Hazard pictogram(s)	
Signal word	Danger
Hazard statement(s)	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H360	May damage fertility or the unborn child.
H226	Flammable liquid and vapor.
Hazard(s) not otherwise classified	
Not Applicable	
Precautionary statement(s) prevention	
P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P280	Wear protective gloves, protective clothing, eye protection and face protection.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P202	Do not handle until all safety precautions have been read and understood.
P264	Wash all exposed external body areas thoroughly after handling.
Precautionary statement(s) response	
P308+P313	IF exposed or concerned: Get medical advice/ attention.
P370+P378	In case of fire: Use alcohol resistant foam or normal protein foam to extinguish.

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
Precautionary statement(s) storage	
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
Precautionary statement(s) disposal	
P501	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

SECTION 3: INFORMATION ON THE INGREDIENTS

3.1 Substances

See section above for composition of Substances

3.2 Mixtures

CAS No.	% [weight]	Name
7647-14-5	Not Spec	sodium chloride
7647-01-0	Not Spec	hydrochloric acid
71125-38-7	Not Spec	meloxicam
56-40-6	Not Spec	glycine
1310-73-2	Not Spec	sodium hydroxide
Not Available	Not Spec	alcohol, proprietary
31692-85-0	Not Spec	polyethylene glycol tetrahydrofurfuryl ether
6284-40-8	Not Spec	N-methylglucamine
9003-11-6	Not Spec	polypropylene/ polyethylene glycol copolymer
7732-18-5	Not Spec	water

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Immediately flush eyes with copious quantities of water for at least 15 minutes. If irritation occurs or persists, notify medical personnel and supervisor.
Skin contact	Wash exposed area with soap and water and remove contaminated clothing/shoes. If irritation occurs or persists, notify medical personnel and supervisor.
Inhalation	Immediately move exposed subject to fresh air. Immediately notify medical personnel and supervisor.
Ingestion	If swallowed, call a physician immediately. Wash out the mouth with water and notify medical personnel and supervisor.

4.2 Most important symptoms and effects, both acute and delayed

See section 11

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.

For non-steroidal anti-inflammatories (NSAIDs)

- Symptoms following acute NSAIDs overdoses are usually limited to lethargy, drowsiness, nausea, vomiting, and epigastric pain, which are generally reversible with supportive care. Gastrointestinal bleeding can occur. Hypertension, acute renal failure, respiratory depression, and coma may occur, but are rare. Anaphylactoid reactions have been reported with therapeutic ingestion of NSAIDs, and may occur following an overdose.
- Patients should be managed by symptomatic and supportive care following a NSAIDs overdose.
- There are no specific antidotes.
- Emesis and/or activated charcoal (60 to 100 grams in adults, 1 to 2 g/kg in children), and/or osmotic cathartic may be indicated in patients seen within 4 hours of ingestion with symptoms or following a large overdose (5 to 10 times the usual dose).
- Forced diuresis, alkalinization of urine, hemodialysis, or hemoperfusion may not be useful due to high protein binding.
- For gastrointestinal hemorrhage, monitor stool guaiac and administer antacids or sucralfate.
- For mild/moderate allergic reactions, administer antihistamines with or without inhaled β-agonists, corticosteroids, or epinephrine.
- For severe allergic reactions, administer oxygen, antihistamines, epinephrine, or corticosteroids. Nephritis or nephrotic

syndrome, thrombocytopenia, or haemolytica anemia may respond to glucocorticoid administration.
- For severe acidosis, administer sodium bicarbonate.
- Administer as required: plasma volume expanders for severe hypotension; diazepam or other benzodiazepine for convulsions; vitamin K1 for hypoprothrombinemia; and/or dopamine plus dobutamine intravenously to prevent or reverse early indications of renal failure.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Use foam, dry chemical powder, BCF (where regulations permit), carbon dioxide or water spray or fog – large fires only

5.2 Special hazards arising from the substance or mixture

Fire incompatibility	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

5.3 Special protective actions for fire-fighters:

Firefighting	May be violently or explosively reactive. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. Use water delivered as a fine spray to control fire and cool adjacent area. Avoid spraying water onto liquid pools. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire.
Fire / explosion hazard	Liquid and vapour are flammable. Moderate fire hazard when exposed to heat or flame. Vapour forms an explosive mixture with air. Moderate explosion hazard when exposed to heat or flame. Vapour may travel a considerable distance to source of ignition. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

See Section 8

6.2 Environmental precautions

See Section 12

6.3 Methods and material for containment and cleaning up

Minor spills	Remove all ignition sources. Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb small quantities with vermiculite or other absorbent material. Wipe up. Collect residues in a flammable waste container.
Major spills	Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. May be violently or explosively reactive. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. No smoking, naked lights or ignition sources. Increase ventilation. Stop leak if safe to do so. Contain spill with sand, earth or vermiculite. Collect solid residues and seal in labelled drums for disposal. Wash area and prevent runoff into drains.

Personal Protective Equipment advice is contained in Section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Safe handling	Do NOT cut, drill, grind, weld or perform similar operations on or near containers. Avoid all personal contact, including eye, skin, clothing and inhalation. Avoid accidental injection. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. **DO NOT** allow clothing wet with material to stay in contact with skin. When handling, **DO NOT** eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Wash hands thoroughly after handling.
Other information	Store in original containers in approved flammable liquid storage area. Store away from incompatible materials in a cool, dry, well-ventilated area. **DO NOT** store in pits, depressions, basements or areas where vapours may be trapped. No smoking, naked lights, heat or ignition sources.

7.2 Conditions for safe storage, including any incompatibilities

Suitable container	HDPE bottle with a heat sealed, child-resistant cap and a desiccant included in each

	bottle. Keep container tight closed. Store below 25°C. Glass container is suitable for laboratory quantities.
Storage incompatibility	attacks most metals forming flammable hydrogen gas, and some plastics, rubbers and coatings. Reacts with zinc, brass, galvanised iron, aluminium, copper and copper alloys. Avoid reaction with oxidising agents.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits (OEL)
INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US OSHA Permissible Exposure Limits (PELs) Table Z-1	hydrochloric acid	Hydrogen chloride	Not Available	Not Available	5 ppm / 7 mg/m^3	Not Available
US NIOSH Recommended Exposure Limits (RELs)	hydrochloric acid	Hydrogen chloride	Not Available	Not Available	5 ppm / 7 mg/m^3	Not Available
US OSHA PELs Table Z-1	sodium hydroxide	Sodium hydroxide	2 mg/m^3	Not Available	Not Available	Not Available
US NIOSH RELs	sodium hydroxide	Sodium hydroxide	Not Available	Not Available	2 mg/m^3	Not Available

Emergency limits

Ingredient	TEEL-1	TEEL-2	TEEL-3
sodium chloride	0.5 ppm	2 ppm	20 ppm
hydrochloric acid	Not Available	Not Available	Not Available
hydrochloric acid	1.8 ppm	22 ppm	100 ppm
sodium hydroxide	Not Available	Not Available	Not Available
polypropylene/ polyethyleneglycol copolymer	6.9 mg/m^3	76 mg/m^3	460 mg/m^3

Ingredient	Original IDLH	Revised IDLH
sodium chloride	Not Available	Not Available
hydrochloric acid	50 ppm	Not Available
meloxicam	Not Available	Not Available
glycine	Not Available	Not Available
sodium hydroxide	10 mg/m3	Not Available
polyethylene glycol tetrahydrofurfuryl ether	Not Available	Not Available
N-methylglucamine	Not Available	Not Available
polypropylene/ polyethyleneglycol copolymer	Not Available	Not Available
water	Not Available	Not Available

Occupational Exposure Banding

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit
sodium chloride	E	≤ 0.01 mg/m³
meloxicam	E	≤ 0.01 mg/m³
glycine	E	≤ 0.01 mg/m³
N-methylglucamine	E	≤ 0.01 mg/m³

Notes: Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposureband (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.

8.2 Exposure controls

Appropriate engineering controls	Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.
Personal protection	
Eye and face protection	When handling very small quantities of the material eye protection may not be required. For laboratory, larger scale or bulk handling or where regular exposure in an occupational setting occurs: chemical goggles, face shield, full face shield may be required. Contact lenses may pose a special hazard.
Skin protection	See Hand protection below.
Hands/feet protection	Wear suitable protective clothing if skin contact with drug product is possible.

Body protection	See Other protection below
Other protection	For quantities up to 500 grams a laboratory coat may be suitable. For larger quantities use overalls, PVC apron. PVC protective suit may be required if exposure severe. Eyewash unit. Ensure there is ready access to a safety shower.
Respiratory protection	Type AB-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Clear yellow liquid Physical state: Liquid Odor: Not Available Odor threshold: NA pH (as supplied): 8.2 – 9.2 Melting point / freezing point (°C): NA Initial boiling point and boiling range: NA Flash point: 36 Evaporation rate: NA Flammability: Flammable Upper/lower flammability or explosive limits: NA Vapor pressure: NA Relative density (at °C): NA Solubility in water (mg/l): Partly miscible	Vapor density: NA Auto ignition temperature (°C): NA Decomposition temperature (°C): NA Viscosity (°C): NA Explosive properties: NA Oxidizing properties: NA Partition coefficient: NA Molecular weight: NA Taste: NA Surface tension: NA Volatile component (%vol): NA Gas group: NA pH as a solution: NA VOC g/L: NA Specific gravity @ 20°C (water = 1): NA

10: STABILITY AND REACTIVITY

Reactivity	See Section 7
Chemical stability	Product is considered stable. Hazardous polymerization will not occur. Unstable in the presence of incompatible materials
Possibility of hazardous reactions	See Section 7
Conditions to avoid	See Section 7
Incompatible materials	See Section 7
Hazardous composition	See Section 5

SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.
Ingestion	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum with suitable control measures.
Skin contact	Evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the healthy intact skin of animals.
Eye contact	Evidence exists, or practical experience predicts, that the material may cause eye irritation in a substantial number of individuals and/or may produce significant ocular lesions
Chronic	There is sufficient evidence to provide a strong presumption that human exposure to the material may result in impaired fertility on the basis of: - clear evidence in animal studies of impaired fertility in the absence of toxic effects, or evidence of impaired fertility occurring at around the same dose levels as other toxic effects but which is not a secondary non-specific consequence of other toxic effects.

Meloxivet solution for injection	**Acute toxicity**	**Irritation**
	Not Available	Not Available
sodium chloride	**Acute toxicity**	**Irritation**
	Dermal (rabbit) LD_{50}: >10000 mg/kg[1]	Eye (rabbit): 10 mg – moderate

	Inhalation(Rat) LC_{50}: >10.5 mg/l4h[1] Oral (Rat) LD_{50}: 3000 mg/kg[2]	Eye (rabbit):100 mg/24h – moderate Skin (rabbit): 500 mg/24h - mild
hydrochloric acid	**Acute toxicity**	**Irritation**
	dermal (mouse) LD_{50}: 1449 mg/kg[2] Oral (Rat) LD_{50}: 900 mg/kg[2]	Eye (rabbit): 5mg/30s – mild Eye: adverse effect observed (irritating) [1] Skin: adverse effect observed (corrosive[1] Skin: adverse effect observed (irritating[1]
meloxicam	**Acute toxicity**	**Irritation**
	Oral (Rabbit) LD_{50}: 320 mg/kg[2]	Eye (rabbit): Not irritating * Skin (rabbit) : Not irritating *
glycine	**Acute toxicity**	**Irritation**
	Oral (Rat) LD_{50}: 7930 mg/kg[2]	Eye: no adverse effect observed (not irritating[1] Skin: no adverse effect observed (not irritating[1]
sodium hydroxide	**Acute toxicity**	**Irritation**
	Dermal (rabbit) LD_{50}: 1350 mg/kg[2] Oral (Rabbit) LD_{50}: 325 mg/kg[1]	Eye (rabbit): 0.05 mg/24h SEVERE Eye (rabbit):1 mg/24h SEVERE Eye (rabbit):1 mg/30s rinsed-SEVERE Eye: adverse effect observed (irritating)[1] Skin (rabbit): 500 mg/24h SEVERE Skin: adverse effect observed (corrosive)[1]
polyethylene glycol tetrahydrofurfuryl ether	**Acute toxicity**	**Irritation**
	Oral (Rat) LD_{50}: >2000 mg/kg[1]	Not Available
N-methylglucamine	**Acute toxicity**	**Irritation**
	Oral (Rat) LD_{50}: ~5000 mg/kg[1]	Eye: no adverse effect observed (not irritating)[1] Skin: no adverse effect observed (not irritating)[1]
polypropylene/ polyethylene glycol copolymer	**Acute toxicity**	**Irritation**
	Inhalation(Rat) LC_{50}: 0.32 mg/L4h[2] Oral (Rat) LD_{50}: 2300 mg/kg[2]	Eye (rabbit): 500 mg/24h – mild Skin (rabbit): 500 mg/24h - mild
water	**Acute toxicity**	**Irritation**
	Oral (Rat) LD_{50}: >90000 mg/kg[2]	Not Available

1 Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

Acute Toxicity	✘	Carcinogenicity	✘
Skin Irritation/Corrosion	✓	Reproductivity	✓
Serios Eye Damage/Irritation	✓	STOT – Single Exposure	✘
Respiratory or Skin Sensitization	✘	STOT – Repeated Exposure	✘
Mutagenicity	✘	Aspiration Hazard	✘

✘ - Data either not available or does not fill the criteria for classification, ✓ - Data available to make classification

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Meloxivet solution for injection	**Endpoint**	**Test Duration (hr)**	**Species**	**Value**	**Source**
	Not Available	Not Available	Not Available	Not Available	Not Available
sodium chloride	**Endpoint**	**Test Duration (hr)**	**Species**	**Value**	**Source**
	NOEC(ECx)	168h	Crustacea	0.63mg/l	4
	LC50	96h	Fish	3644-4565mg/l	4
	EC50	72h	Algae or other aquatic plants	20.76-36.17mg/L	4
	EC50	48h	Crustacea	340.7-469.2mg/l	4
	EC50	96h	Algae or other aquatic plants	1110.36mg/L	4
hydrochloric acid	**Endpoint**	**Test Duration (hr)**	**Species**	**Value**	**Source**
	EC50(ECx)	9.33h	Fish	0.51mg/L	4
	LC50	96h	Fish	334.734mg/L	4
meloxicam	**Endpoint**	**Test Duration (hr)**	**Species**	**Value**	**Source**
	Not Available	Not Available	Not Available	Not Available	Not Available
glycine	**Endpoint**	**Test Duration (hr)**	**Species**	**Value**	**Source**
	NOEC(ECx)	48h	Crustacea	>=220mg/l	2
	EC50	72h	Algae or other aquatic plants	>1000mg/l	2
	EC50	48h	Crustacea	>220mg/l	2
	LC50	96h	Fish	>1000mg/l	2
sodium hydroxide	**Endpoint**	**Test Duration (hr)**	**Species**	**Value**	**Source**
	EC0(ECx)	48h	Crustacea	34.59-47.13mg/l	4

	LC50 EC50	96h 48h	Fish Crustacea	144-267mg/l 34.59-47.13mg/l	4 4
polyethylene glycol tetrahydrofurfuryl ether	**Endpoint**	**Test Duration (hr)**	**Species**	**Value**	**Source**
	EC50 EC50 NOEC(ECx)	72h 48h 72h	Algae or other aquatic plants Crustacea Algae or other aquatic plants	>100mg/l >100mg/l >=100mg/l	2 2 2
N-methylglucamine	**Endpoint**	**Test Duration (hr)**	**Species**	**Value**	**Source**
	EC0(ECx) LC50 EC50 EC50	48h 96h 72h 48h	Crustacea Fish Algae or other aquatic plants Crustacea	320mg/l >1000mg/l >1000mg/l >1000mg	1 2 2 1
polypropylene/ polyethylene glycol copolymer	**Endpoint**	**Test Duration (hr)**	**Species**	**Value**	**Source**
	EC50(ECx) EC50 LC50	48h 48h 96h	Crustacea Crustacea Fish	>100mg/l >100mg/l 100mg/l	Not Available Not Available Not Available
water	**Endpoint**	**Test Duration (hr)**	**Species**	**Value**	**Source**
	Not Available	Not Available	Not Available	Not Available	Not Available
Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8.Vendor Data					

DO NOT discharge into sewer or waterways.

12.2 Persistence and degradability		
Ingredient	**Persistence: Water/Soil**	**Persistence: Air**
sodium chloride	LOW	LOW
hydrochloric acid	LOW	LOW
glycine	LOW	LOW
sodium hydroxide	LOW	LOW
N-methylglucamine	LOW	LOW
sodium chloride	LOW	LOW

12.3 Bioaccumulative potential	
Ingredient	**Bioaccumulation**
sodium chloride	LOW (LogKOW = 0.5392)
hydrochloric acid	LOW (LogKOW = 0.5392)
glycine	LOW (LogKOW = -3.21)
sodium hydroxide	LOW (LogKOW = -3.8796)
N-methylglucamine	LOW (LogKOW = -3.1455)

12.4 Mobility in soil	
Ingredient	**Mobility**
sodium chloride	LOW (KOC = 14.3)
hydrochloric acid	LOW (KOC = 14.3)
glycine	HIGH (KOC = 1)
sodium hydroxide	LOW (KOC = 14.3)
N-methylglucamine	LOW (KOC = 10)

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / packaging disposal	Disposal of the material must be carried out in accordance with the requirements of the relevant Federal/State Act(s) or Code(s) regulating the disposal of Drugs of Addiction. **DO NOT** allow wash water from cleaning or process equipment to enter drains.

SECTION 14: TRANSPORT INFORMATION

Labels required

	
Marine pollutant	No
Land transport (US: DOT)	
UN number	1993

UN proper shipping name	Flammable liquids, n.o.s.		
Transport hazard class(es)	Class	3	
	Subrisk	Not Applicable	
Packing group	III		
Environmental hazard	Not Applicable		
Special precautions for user	Hazard Label	3	
	Special provisions	B1, B52, IB3, T4, TP1, TP29	
Land transport (ICAO-IATA / DGR)			
UN number	1993		
UN proper shipping name	Flammable liquid, n.o.s.*		
Transport hazard class(es)	ICAO/IATA Class		3
	ICAO / IATA Subrisk		Not Applicable
	ERG Code		3L
Packing group	III		
Environmental hazard	Not Applicable		
Special precautions for user	Special provisions		A3
	Cargo Only Packing Instructions		366
	Cargo Only Maximum Qty / Pack		220 L
	Passenger and Cargo Packing Instructions		355
	Passenger and Cargo Maximum Qty / Pack		60 L
	Passenger and Cargo Limited Quantity Packing Instructions		Y344
	Passenger and Cargo Limited Maximum Qty / Pack		10 L
Land transport IMDG-Code / GGVSee)			
UN number	1993		
UN proper shipping name	FLAMMABLE LIQUID, N.O.S.		
Transport hazard class(es)	IMDG Class	3	
	IMDG Subrisk	Not Applicable	
Packing group	III		
Environmental hazard	Not Applicable		
Special precautions for user	EMS Number	F-E, S-E	
	Special provisions	223 274 955	
	Limited Quantities	5 L	

Transport in bulk according to Annex II of MARPOL and the IBC code
Not Applicable

Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	**Group**
	Not Available for any ingredient

Transport in bulk in accordance with the ICG Code

Product name	**Ship type**
	Not Available for any ingredient

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for thesubstance or mixture

Product regulated by FDA as a veterinary product

sodium chloride is found on the following regulatory lists

US DOE Temporary Emergency Exposure Limits (TEELs), US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory, US TSCA Chemical Substance Inventory - Interim List of Active Substances

hydrochloric acid is found on the following regulatory lists

International Agency for Research on Cancer (IARC) - Agents Classified bythe IARC Monographs US - Massachusetts - Right To Know Listed Chemicals, US ACGIH Threshold Limit Values (TLV), US ACGIH TLV – Carcinogens, US Clean Air Act - Hazardous Air Pollutants, US CWA (Clean Water Act) - List of Hazardous Substances, US Department of Homeland Security (DHS) - Chemical Facility, Anti-Terrorism Standards (CFATS) - Chemicals of Interest, US DOE TEELs, US Drug Enforcement Administration (DEA) List I and II Regulated Chemicals, US EPA Integrated Risk Information System (IRIS), US EPCRA section 313 chemical list, US NIOSH Recommended Exposure Limits (RELs), US OSHA Permissible Exposure Limits (PELs) Table Z-1, US SARA Section 302 Extremely Hazardous Substances, US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory, US TSCA Chemical Substance Inventory - Interim List of Active Substances

meloxicam is found on the following regulatory lists
FEI Equine Prohibited Substances List – Controlled medication, FEI Equine Prohibited Substances List (EPSL)

glycine is found on the following regulatory lists
US TSCA Chemical Substance Inventory, US TSCA Chemical Substance Inventory - Interim List of Active Substances

sodium hydroxide is found on the following regulatory lists
US - Massachusetts - Right To Know Listed Chemicals, US CWA (Clean Water Act) - List of Hazardous Substances, US DOE TEELs, US NIOSH RELs, US OSHA PELs Table Z-1, US TSCA Chemical Substance Inventory, US TSCA Chemical Substance Inventory - Interim List of Active Substances

polyethylene glycol tetrahydrofurfuryl ether is found on the following regulatory lists
US - California Hazardous Air Pollutants Identified as Toxic Air Contaminants, US EPCRA Section 313 Chemical List

N-methylglucamine homopolymer is found on the following regulatory lists
US TSCA Chemical Substance Inventory, US TSCA Chemical Substance Inventory - Interim List of Active Substances

polypropylene/polyethylene glycol copolymer is found on the following regulatory lists
US DOE TEELs, US TSCA Chemical Substance Inventory, US TSCA Chemical Substance Inventory - Interim List of Active Substances

water is found on the following regulatory lists
US TSCA Chemical Substance Inventory, US TSCA Chemical Substance Inventory - Interim List of Active Substances

Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 311/312 hazard categories

Flammable (Gases, Aerosols, Liquids, or Solids)	Yes
Gas under pressure	No
Explosive	No
Self-heating	No
Pyrophoric (Liquid or Solid)	No
Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (Liquid, Solid or Gas)	No
Organic Peroxide	No
Self-reactive	No
In contact with water emits flammable gas	No
Combustible Dust	No
Carcinogenicity	No
Acute toxicity (any route of exposure)	No
Reproductive toxicity	Yes
Skin Corrosion or Irritation	Yes
Respiratory or Skin Sensitization	No
Serious eye damage or eye irritation	Yes
Specific target organ toxicity (single or repeated exposure)	No
Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No
Hazards Not Otherwise Classified	No

US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)

Name	Reportable Quantity in Pounds (lb)	Reportable Quantity in kg
hydrochloric acid	5000	2270
sodium hydroxide	1000	454

State Regulations

US. California Proposition 65
Not reported

National Inventory Status

Australia - AIIC / Australia Non-Industrial Use	No (meloxicam)
Canada - DSL	No (meloxicam; polyethylene glycol tetrahydrofurfuryl ether)

Canada - NDSL	No (sodium chloride; hydrochloric acid; meloxicam; glycine; sodium hydroxide; polyethylene glycol tetrahydrofurfuryl ether; N-methylglucamine; polypropylene/ polyethylene glycol copolymer; water)
China - IECSC	No (meloxicam)
Europe - EINEC / ELINCS / NLP	No (meloxicam; polyethylene glycol tetrahydrofurfuryl ether; polypropylene/ polyethylene glycol copolymer)
Japan - ENCS	No (meloxicam; polyethylene glycol tetrahydrofurfuryl ether)
Korea - KECI	No (meloxicam; polyethylene glycol tetrahydrofurfuryl ether)
New Zealand - NZIoC	Yes
Philippines - PICCS	No (meloxicam)
USA - TSCA	No (meloxicam; polyethylene glycol tetrahydrofurfuryl ether)
Taiwan - TCSI	Yes
Mexico - INSQ	No (polyethylene glycol tetrahydrofurfuryl ether; N-methylglucamine; polypropylene/ polyethylene glycol copolymer)
Vietnam - NCI	No (polyethylene glycol tetrahydrofurfuryl ether)
Russia - FBEPH	No (meloxicam; polyethylene glycol tetrahydrofurfuryl ether)
Yes = All CAS declared ingredients are on the inventory, No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.	

SECTION 16: OTHER INFORMATION

Classification of the preparation and its individual components has drawn on an independent review by the Chemwatch Classification committee using available literature references.

Initial Date: 22 Feb 2021

Revision 1: March 2022 – Acute Health (eye), Acute Health (inhaled), Acute Health (skin), Acute Health (swallowed), Appearance, Chronic Health, Classification, Environmental, Fire Fighter (extinguishing media), First Aid (swallowed), Handling Procedure, Personal Protection (other), Personal Protection (Respirator), Personal Protection (hands/feet), Storage (storage incompatibility), Storage (storage requirement), Transport Information, Use

Revision 2: October 2022 – Product name

Definitions and abbreviations

PC—TWA: Permissible Concentration-Time Weighted Average
PC—STEL: Permissible Concentration-Short Term Exposure Limit
IARC: International Agency for Research on Cancer
ACGIH: American Conference of Governmental Industrial Hygienists
IDLH: Immediately Dangerous to Life or Health Concentrations
AIIC: Australian Inventory of Industrial Chemicals
IECSC: Inventory of Existing Chemical Substance in China
EINECS: European INventory of Existing Commercial chemical Substances
ELINCS: European List of Notified Chemical Substances
ENCS: Existing and New Chemical Substances Inventory
PICCS: Philippine Inventory of Chemicals and Chemical Substances
INSQ: Inventario Nacional de Sustancias Químicas
NCI: National Chemical Inventory
FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances
NZIoC: New Zealand Inventory of Chemicals
TCSI: Taiwan Chemical Substance Inventory

STEL: Short Term Exposure Limit
TEEL: Temporary Emergency Exposure Limit
ES: Exposure Standard
OSF: Odour Safety Factor
NOAEL :No Observed Adverse Effect Level
LOAEL: Lowest Observed Adverse Effect Level
TLV: Threshold Limit Value
LOD: Limit Of Detection
OTV: Odour Threshold Value
BCF: BioConcentration Factors
BEI: Biological Exposure Index
DSL: Domestic Substances List
NDSL: Non-Domestic Substances List
NLP: No-Longer Polymers
KECI: Korea Existing Chemicals Inventory
TSCA: Toxic Substances Control Act

The information provided in this Safety Data Sheet has been compiled by Dechra Veterinary Products LLC and is correct to the best of its knowledge, information and belief as of the date of its publication. However, Dechra Veterinary Products LLC makes no warranties, express or implied, in relation to the information set out in this Safety Data Sheet, including, without limitation, as to its accuracy or completeness. The information provided is not a quality specification, and is prepared by way of guidance as to the safe handling, use, processing, storage, transportation, disposal and release of the relevant products referred to. The user is responsible for determining whether or not the product is fit for any particular purpose and/or suitable for the user's proposed method of use and application.

Copyright, 2022 Dechra Veterinary Products LLC. All rights reserved.

Copying and/or downloading of this information for the purpose of properly utilizing Dechra Veterinary Products LLC products is permitted provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained Dechra Veterinary Products LLC, and (2) neither the copy nor the original is resold or otherwise distributed for the purposes of making a profit thereon.