

SAFETY DATA SHEET



Rimadyl® (Carprofen) Sterile Injectable Solution

Section 1. Identification

Product identifier : Rimadyl® (Carprofen) Sterile Injectable Solution

Other means of identification : Carprofen injectable solution
Rimadyl
Rimadyl® Injectable Solution
Rimadyl® Injection

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Veterinary product used as non-steroidal, anti-inflammatory drug (nsaid)

Uses advised against

Not for human use

Supplier's details : Zoetis Canada Inc.
16740 Trans-Canada Highway
Kirkland, Quebec, H9H 4M7

1-800-461-0917
All Safety Data Sheets are available via our Zoetis Canada website at
<https://www.zoetis.ca/sds/sds.aspx>

Emergency telephone number (with hours of operation) : CHEMTREC (24 hours): 1-800-424-9300

International CHEMTREC (24 hours): +1-703-527-3887

Rocky Mountain Poison & Drug Safety: 1-866-531-8896
Product support/Technical services: 1-888-963-8471

Zoetis Inc.
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Section 2. Hazard identification

Classification of the substance or mixture : TOXIC TO REPRODUCTION - Category 2
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : Suspected of damaging fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure. (digestive system)

Precautionary statements

Section 2. Hazard identification

- Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection. Do not breathe vapor.
- Response** : IF exposed or concerned: Get medical advice or attention.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** : Avoid accidental injection.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	Synonyms	% (w/w)	Identifiers	
carprofen	-	≥5 - ≤10	CAS: 53716-49-7	
Benzyl alcohol	Benzyl alcohol	≥1 - ≤5	CAS: 100-51-6	

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse. In the event of accidental self injection or needle stick injury, wash the injury thoroughly with clean running water. Get medical attention immediately.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Section 4. First-aid measures

nausea or vomiting Abdominal pain. May cause an allergic skin reaction. Chronic exposure to this material may cause serious gastrointestinal toxicity such as bleeding, ulceration, and perforation.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:, carbon dioxide, carbon monoxide, nitrogen oxides, halogenated compounds

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : Keep unnecessary personnel away.

For emergency responders : Keep unnecessary personnel away. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 6. Accidental release measures

- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Avoid accidental injection.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Do not freeze. Prolonged exposure to higher temperatures may adversely affect potency. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
carprofen	Zoetis OEL (ZOETIS OEL) TWA: 1000 µg/m³. OARS WEEL (United States, 6/2024) TWA 8 hours: 10 ppm.
Benzyl alcohol	

Biological exposure indices

No exposure indices known.

Control Banding Approach

Not available.

- Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Section 8. Exposure controls/personal protection

Individual protection measures

- Hygiene measures** : Wash contaminated clothing before reuse.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Wear appropriate chemical resistant gloves. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : In case of insufficient ventilation, wear suitable respiratory equipment.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

- Physical state** : Liquid.
- Color** : Clear. Colorless. to Pale yellow
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point/freezing point** : Not available.
- Boiling point or initial boiling point and boiling range** : Not available.
- Flash point** : Not available.
- Evaporation rate** : Not available.
- Flammability** : Not available.
- Lower and upper explosion limit/flammability limit** : Not available.
- Vapor pressure** : Not available.
- Relative vapor density** : Not available.
- Relative density** : Not available.
- Solubility in water** : Not available.
- Partition coefficient: n-octanol/water** : Not applicable.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): Not available.

Section 9. Physical and chemical properties

Particle characteristics

Pmax	: Not available.
Kst	: Not available.
Min. Ignition Temperature (Dust)	: Not available.
Minimum ignition energy (MIE) - dust cloud	: Not available.
Median particle size	: Not applicable.

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: This material can be denatured or inactivated by a variety of organic solvents, salts or heavy metals.
Remarks	: Strong oxidizing agents
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name

carprofen

Result

Rat - Male, Female - Intraperitoneal - LD50

110 to 140 mg/kg

Mouse - Oral - LD50

282 mg/kg

Rat - Oral - LD50

149 mg/kg

Rat - Male, Female - Subcutaneous - LD50

190 to 230 mg/kg

Rat - Oral - LD50

74 mg/kg

Toxic effects: Behavioral - Muscle weakness**Rat - Oral - LD50**

1230 mg/kg

Rat - Oral - LD50

1230 mg/kg

Toxic effects: Behavioral - Somnolence (general depressed activity) Behavioral - Excitement Behavioral - Coma**Rabbit - Dermal - LD50**

2000 mg/kg

Rat - Inhalation - LC50 Gas.

1000 ppm [8 hours]

Benzyl alcohol

Section 11. Toxicological information

Conclusion/Summary [Product] : May be harmful if swallowed.

Skin corrosion/irritation

Product/ingredient name

carprofen
Benzyl alcohol

Result

Rabbit - Skin - Not irritant

Man - Skin - Mild irritant

Duration of treatment/exposure: 48 hours

Amount/concentration applied: 16 mg

Pig - Skin - Moderate irritant

Amount/concentration applied: 100 %

Rabbit - Skin - Moderate irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 100 mg

Conclusion/Summary [Product] : Not applicable.

Serious eye damage/eye irritation

Product/ingredient name

carprofen

Result

Rabbit - Eyes - Not irritant

Conclusion/Summary [Product] : Not applicable.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not applicable.

Respiratory or skin sensitization

Product/ingredient name

carprofen

Result

Guinea pig - skin

Skin Sensitization

Result: Not sensitizing

Skin

Conclusion/Summary [Product] : Not applicable.

Respiratory

Conclusion/Summary [Product] : Not applicable.

Specific target organ toxicity (single exposure)

Not applicable.

Specific target organ toxicity (repeated exposure)

Product/ingredient name

carprofen

Result

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (digestive system) (oral) - Category 2

Aspiration hazard

Not applicable.

Section 11. Toxicological information

Information on the likely routes of exposure

Not available.

Potential acute health effects

nausea or vomiting Abdominal pain. May cause an allergic skin reaction. Chronic exposure to this material may cause serious gastrointestinal toxicity such as bleeding, ulceration, and perforation.

Potential chronic health effects

Product/ingredient name

carprofen

Result

Sub-chronic - Dog - Oral - NOAEL

5 mg/kg [7 days per week] [13 weeks]

Toxic effects: None identified.

Sub-chronic - Rat - Oral - NOAEL

5 mg/kg [7 days per week] [13 weeks]

Toxic effects: Gastrointestinal - Other changes

Chronic - Dog - Oral - NOAEL

25 mg/kg [7 days per week] [2 years]

Toxic effects: No effects at maximum dose.

Chronic - Rat - Oral - NOAEL

10 mg/kg [7 days per week] [2 years]

Toxic effects: Gastrointestinal - Other changes

General

: May cause damage to organs through prolonged or repeated exposure.

Germ cell mutagenicity

Product/ingredient name

carprofen

Result

In vitro - Bacteria

Bacterial Reverse Mutation Test Ames test

Result: Negative

In vivo - Mammalian-Animal

Mammalian Erythrocyte Micronucleus Test

Result: Negative

Conclusion/Summary [Product]

: No known significant effects or critical hazards.

Carcinogenicity

Product/ingredient name

carprofen

Result

Rat - Oral - TDLo

10 mg/kg [7 days per week] [2 years]

Result: Negative

Dog - Oral - TDLo

25 mg/kg [7 days per week] [2 years]

Result: Negative

Conclusion/Summary [Product]

: No known significant effects or critical hazards.

Reproductive toxicity

Product/ingredient name

Result

Section 11. Toxicological information

carprofen

Rat - Oral

Prenatal Developmental Toxicity Study

20 mg/kg [7 days per week]

Effects: No teratogenic effect.Developmental: Negative

Mouse - Oral

Prenatal Developmental Toxicity Study

40 mg/kg [7 days per week]

Effects: No teratogenic effect.Developmental: Negative

Rabbit - Oral

Prenatal Developmental Toxicity Study

6 mg/kg [7 days per week]

Effects: Effects on Embryo or Fetus - Fetotoxicity (except fetal death)Developmental: Positive

Rat - Oral

Prenatal Developmental Toxicity Study

20 mg/kg [7 days per week]

Effects: Effects on Embryo or Fetus - Fetotoxicity (except fetal death) Maternal Effects - Other effectsFertility effects: Positive

Conclusion/Summary [Product] : Suspected of damaging fertility or the unborn child.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Rimadyl® (Carprofen) Sterile Injectable Solution	2500	132500	N/A	N/A	N/A
carprofen	74	N/A	N/A	N/A	N/A
Benzyl alcohol	1230	2000	N/A	N/A	N/A

Other information

The antigens included in this product are non-infectious. All have been prepared from killed or inactivated preparations of microorganisms. In the event of accidental injection, an allergic reaction may occur.

Section 12. Ecological information

Toxicity

Product/ingredient name

Benzyl alcohol

Result

Acute - LC50 - Fresh water

Fish - Bluegill - *Lepomis macrochirus*

10 ppm [96 hours]

Effect: Mortality

Conclusion/Summary [Product] : No known significant effects or critical hazards.

Persistence and degradability

Product/ingredient name

Benzyl alcohol

Result

OECD 301B [Ready Biodegradability - CO₂ Evolution Test]

92 to 96% [28 days]

Section 12. Ecological information

Conclusion/Summary [Product] : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Benzyl alcohol	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Benzyl alcohol	0.87	-	Low

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater. The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	TDG Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.

Section 14. Transport information

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

Canadian lists

Canadian NPRI : None of the components are listed.

CEPA Toxic substances : None of the components are listed.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia	: Not determined.
Canada	: Not determined.
China	: Not determined.
Eurasian Economic Union	: Russian Federation inventory: Not determined.
Japan	: Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: All components are listed or exempted.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: All components are listed or exempted.

Section 16. Other information

History

Date of issue/Date of revision	: 9/22/2025
Date of previous issue	: 5/27/2025
Version	: 1.01

Section 16. Other information

Key to abbreviations

: ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
DOT = Department of Transportation
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HPR = Hazardous Products Regulations
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
IMO = International Maritime Organization
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
TDG = Transportation of Dangerous Goods
UN = United Nations

Procedure used to derive the classification

Classification	Justification
TOXIC TO REPRODUCTION - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2	Calculation method

References

: Not available.

Notice to reader

Zoetis Inc. believes that the information contained in this Safety Data Sheet is accurate, and while it is provided in good faith, it is without warranty of any kind, expressed or implied. If data for a hazard are not included in this document there is no known information at this time.