

SAFETY DATA SHEETS

This SDS packet was issued with item:

078100402

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

078092078 078099557 078100824 078106956 078178942 078503702

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078090094 078109386 078161125 078447045 078447060 078447086 078447128 078447144 078447185 078447201
078447441 078447466 078447482 078577002

Safety Data Sheet

1. IDENTIFICATION

A Veterinary lubricant

J-Jelly

Jorgensens Laboratories

1450 Van Buren Avenue

Loveland, CO 80537

Product Codes: J-0109-JB

J-0109-F

Phone: (970)669-2500 or (800)525-5614 Fax: (970) 663-5042

Emergency phone number: U.S. & Canada (800) 535-5053

International: (352) 323-3500 (INFOTRAC)

2. HAZARD(S) IDENTIFICATION

Spills are slippery

3. COMPOSITION/INFORMATION ON INGREDIENTS

| | Cas # | % |
|-------------------------------|-----------|-------|
| Water | 7732-18-5 | 98 |
| Sodium Carboxymethylcellulose | 9004-32-4 | 1.9 |
| Methyl Parahydroxybenzoate | 99-76-3 | .091 |
| Propyl Parahydroxybenzoate | 94-13-3 | .0085 |

4. FIRST-AID MEASURES

Eye contact: Hold eyelids apart and flush eye with plenty of low pressure water.(remove contact lenses)

Ingestion: No adverse health effects are expected.

5. FIRE-FIGHTING MEASURES

Not applicable

6. ACCIDENTAL RELEASE MEASURES

Wipe up spill with absorbent cloth and rinse off residue to avoid slickness.

7. HANDLING AND STORAGE

Store in original container.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Work practices and engineering controls: Clean up spills immediately.

General Hygienic practices: Avoid contact with eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: viscose liquid

Color: clear

Odor: none

Specific gravity: water

Percent volatile: 98

Freezing point: water

Boiling point: water

10. STABILITY AND REACTIVITY

Stable under recommended handling and use conditions.

11. TOXICOLOGICAL INFORMATION

Not toxic, an irritant, nor mutagenic.

16. OTHER INFORMATION

Issue date: March 25, 2015

Reason for revision: Updated to comply with Revised Hazard Communication Standard (HCS)

By Dale Peterson, Chemist

Section 1 - Identification of Chemical Product and Company



A.B.N. 50 008 422 348

Pfizer Australia Pty Ltd
38-42 Wharf Road
West Ryde NSW 2114
Tel: (02) 9850 3333
Fax: (02) 9850 3519

Pfizer Australia Pty Ltd

A.B.N. 50 008 422 348

Substance: Non-steroidal anti-inflammatory compound.
Trade Name: Rimadyl Tablets 20/50mg
Pfizer MSDS Code: MSDS055
Product Use: Pain relief for musculoskeletal disorders and post-surgical treatment for dogs.
Creation Date: March, 2005
Revision Date: March, 2005

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Hazardous according to the criteria of NOHSC Australia.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: R22. Harmful if swallowed.

Safety Phrases: S20, S45. When using, do not eat or drink. In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately (show the label where possible).

SUSDP Classification: S4

ADG Classification: None allocated. Not a Dangerous Good under the ADG Code.

UN Number: None allocated

Emergency Overview

Physical Description & colour: Off-white tablets.

Odour: Characteristic odour.

Major Health Hazards: harmful if swallowed.

Potential Health Effects

Inhalation

Short term exposure: Significant inhalation exposure is considered to be unlikely. Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.

Long Term exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short term exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. In addition product is unlikely to cause any discomfort in normal use.

Long Term exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

Short term exposure: Exposure via eyes is considered to be unlikely. This product is believed to be not irritating to eyes.

Long Term exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short term exposure: Significant oral exposure is considered to be unlikely. Available data shows that this product is harmful, but symptoms are not available. This product is unlikely to cause any irritation problems in the short or long term.

Long Term exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

NOHSC: No significant ingredient is classified as carcinogenic by NOHSC.

NTP: No significant ingredient is classified as carcinogenic by NTP.

MATERIAL SAFETY DATA SHEET

IARC: No significant ingredient is classified as carcinogenic by IARC.

Section 3 - Composition/Information on Ingredients

| Ingredients | CAS No | Conc, % | TWA (mg/m ³) | STEL (mg/m ³) |
|---------------------------------|------------|---------|--------------------------|---------------------------|
| Carprofen | 53716-49-7 | <35 | not set | not set |
| Other non hazardous ingredients | secret | to 100 | not set | not set |

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: No specific health data is available for this product. If any unusual symptoms become evident, or if in doubt, wash skin with water and contact a Poisons Information Centre or a doctor.

Eye Contact: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Ingestion: If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: Preferred extinguishing media are carbon dioxide, dry chemical, foam, water fog.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: Does not burn.

Upper Flammability Limit: Does not burn.

Lower Flammability Limit: Does not burn.

Autoignition temperature: Not applicable - does not burn.

Flammability Class: Does not burn.

Section 6 - Accidental Release Measures

Accidental release: In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. If there is a significant chance that dusts are likely to build up in cleanup area, we recommend that you use a suitable Dust Mask.

Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Consider vacuuming if appropriate. Recycle containers wherever possible after careful cleaning. Refer to product label for specific instructions. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

MATERIAL SAFETY DATA SHEET

Storage: This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this particular schedule of poison. Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Exposure Limits

TWA (mg/m³)

STEL (mg/m³)

Exposure limits have not been established by NOHSC for any of the known significant ingredients in this product.

The ADI for Carprofen is set at 0.005mg/kg/day. The corresponding NOEL is set at 1mg/kg/day. ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level. Values taken from Australian ADI List, Dec 2004.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that dusts are minimised.

Eye Protection: Eye protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC.

Respirator: If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a suitable Dust Mask.

Section 9 - Physical and Chemical Properties:

| | |
|---|---|
| Physical Description & colour: | Off-white tablets. |
| Odour: | Characteristic odour. |
| Boiling Point: | No specific data. Expected to decompose before boiling. |
| Freezing/Melting Point: | No specific data. Solid at normal temperatures. |
| Volatiles: | No data. |
| Vapour Pressure: | No data. |
| Vapour Density: | No data. |
| Specific Gravity: | No data. |
| Water Solubility: | No data. |
| pH: | No data. |
| Volatility: | No data. |
| Odour Threshold: | No data. |
| Evaporation Rate: | No data. |
| Coeff Oil/water distribution: | No data. |
| Autoignition temp: | Not applicable - does not burn. |

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid: Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

Incompatibilities: strong oxidising agents.

Fire Decomposition: Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death. Hydrogen cyanide poisoning signs and

MATERIAL SAFETY DATA SHEET

symptoms are weakness, dizziness, headache, nausea, vomiting, coma, convulsions, and death. Death results from respiratory arrest. Hydrogen cyanide gas acts very rapidly; symptoms and death can both occur quickly.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Target Organs: There is no data to hand indicating any particular target organs.

Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No ingredient mentioned in the List of Designated Hazardous Substances is present in this product at hazardous concentrations.

Section 12 - Ecological Information

Insufficient data to be sure of status.

Section 13 - Disposal Considerations

Disposal: Instructions concerning the disposal of this product and its containers are given on the product label. These should be carefully followed.

Section 14 - Transport Information

ADG Code: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are to be found in the public AICS Database. The following ingredients: Carprofen, are mentioned in the SUSDP.

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

| | |
|------------|---|
| ADG Code | Australian Code for the Transport of Dangerous Goods by Road and Rail |
| AICS | Australian Inventory of Chemical Substances |
| CAS number | Chemical Abstracts Service Registry Number |
| IARC | International Agency for Research on Cancer |
| NOHSC | National Occupational Health and Safety Commission |
| NTP | National Toxicology Program (USA) |
| R-Phrase | Risk Phrase |
| SUSDP | Standard for the Uniform Scheduling of Drugs & Poisons |
| UN Number | United Nations Number |

Contact Points:

Pfizer

(02)9850 3333 (Business hours)

Police and Fire Brigade:

**Ask for Environmental Health & Safety Manager
Dial 000**

If ineffective:

Dial Poisons Information Centre

(13 1126 from anywhere in Australia)

Please read all labels carefully before using product.


This MSDS copyright © Kilford & Kilford Pty Ltd, March, 2005.

<http://www.kilford.com.au/> Phone (02)9251 4532

1. Identification

| | |
|---|---|
| Product identifier | Rimadyl (Carprofen) Chewable Tablets |
| Other means of identification | |
| Synonyms | Rimadyl * Rovera * RIMADYL® CHEWABLE TABLETS * Rimadyl Chewable Tablets |
| Recommended use | Veterinary product used as non-steroidal, anti-inflammatory drug (nsaid) |
| Recommended restrictions | Not for human use |
| Manufacturer/Importer/Supplier/Distributor information | |
| Company Name (US) | Zoetis Inc. 10 Sylvan Way Parsippany, New Jersey 07054 (USA) |
| Rocky Mountain Poison and Drug Center | 1-866-531-8896 |
| Product Support/Technical Services | 1-800-366-5288 |
| Emergency telephone numbers | CHEMTREC (24 hours): 1-800-424-9300 International CHEMTREC (24 hours): +1-703-527-3887 |
| Company Name (EU) | Zoetis Belgium S.A. Mercuriusstraat 20 1930 Zaventem Belgium |
| Emergency telephone number | International CHEMTREC (24 hours): +1-703-527-3887 |
| Contact E-Mail | VMIPSrecords@zoetis.com |

2. Hazard(s) identification

| | | |
|-------------------------|---|-------------------------------|
| Physical hazards | Not classified. | |
| Health hazards | Sensitization, skin | Category 1B |
| | Reproductive toxicity (the unborn child) | Category 2 |
| | Specific target organ toxicity, repeated exposure | Category 2 (digestive system) |
| Environmental hazards | Not classified. | |
| OSHA defined hazards | Not classified. | |
| Label elements |  | |
| Signal word | Warning | |
| Hazard statement | May cause an allergic skin reaction. Suspected of damaging the unborn child. May cause damage to organs (digestive system) through prolonged or repeated exposure by ingestion. | |
| Precautionary statement | | |
| Prevention | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. | |
| Response | If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. | |
| Storage | Store locked up. | |

| | |
|--|---|
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Hazard(s) not otherwise classified (HNOC) | None known. |
| Supplemental information | None. |

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|--------------------|--------------------------|------------|-----|
| Carprofen | | 53716-49-7 | *** |
| Corn Starch | | 9005-25-8 | * |
| Magnesium stearate | | 557-04-0 | * |
| Sucrose | | 57-50-1 | * |

| | |
|-----------------------------|--|
| Composition comments | <p>*** 25, 50, 75 or 100 mg per tablet</p> <p>*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret. In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret.</p> |
|-----------------------------|--|

4. First-aid measures

| | |
|---|--|
| Inhalation | Move to fresh air. Call a physician if symptoms develop or persist. For breathing difficulties, oxygen may be necessary. |
| Skin contact | Wash off immediately with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. |
| Eye contact | Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Continue rinsing. Get medical attention if irritation develops and persists. |
| Ingestion | Rinse mouth. Call a physician or poison control center immediately. Do not induce vomiting without advice from poison control center. Never give anything by mouth to a victim who is unconscious or is having convulsions. |
| Most important symptoms/effects, acute and delayed | Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness, and discomfort. Mild skin irritation. Exposure may cause temporary irritation, redness, or discomfort. May cause an allergic skin reaction. Dermatitis. Rash. if swallowed: Nausea, vomiting. Abdominal pain. 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 | Provide general supportive measures and treat symptomatically. Symptoms may be delayed. |
| General information | For personal protection, see section 8 of the SDS. IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. |

5. Fire-fighting measures

| | |
|--|---|
| Suitable extinguishing media | Water spray. Foam. Powder. Carbon dioxide (CO2). |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical | During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire fighting equipment/instructions | Use water spray to cool unopened containers. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. |
| General fire hazards | No unusual fire or explosion hazards noted. |

6. Accidental release measures

| | |
|--|---|
| Personal precautions, protective equipment and emergency procedures | <p>Keep unnecessary personnel away. Ensure adequate ventilation. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid the generation of dusts during clean-up. Avoid inhalation of dust. Avoid contact with eyes, skin, and clothing. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.</p> |
|--|---|

Methods and materials for containment and cleaning up

Ensure adequate ventilation. Remove sources of ignition. Avoid release to the environment.

Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

Environmental precautions**7. Handling and storage****Precautions for safe handling**

Do not taste or swallow. Avoid contact with eyes, skin, and clothing. If tablets or capsules are crushed and/or broken, avoid breathing dust and avoid contact with eyes. Avoid prolonged exposure. Minimize dust generation and accumulation. When using, do not eat, drink or smoke. Wash thoroughly after handling. Wear appropriate personal protective equipment. Avoid release to the environment.

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep away from heat and sources of ignition. Store in original tightly closed container. @ 15-30°C (59-86°F). Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children. Protect from moisture.

8. Exposure controls/personal protection**Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Zoetis

| Components | Type | Value |
|----------------------------|------|------------------------|
| Carprofen (CAS 53716-49-7) | TWA | 1000 µg/m ³ |

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value | Form |
|-----------------------------|------|----------------------|----------------------|
| Corn Starch (CAS 9005-25-8) | PEL | 5 mg/m ³ | Respirable fraction. |
| Sucrose (CAS 57-50-1) | PEL | 15 mg/m ³ | Total dust. |
| | | 5 mg/m ³ | Respirable fraction. |
| | | 15 mg/m ³ | Total dust. |

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|-----------------------------------|------|----------------------|
| Corn Starch (CAS 9005-25-8) | TWA | 10 mg/m ³ |
| Magnesium stearate (CAS 557-04-0) | TWA | 10 mg/m ³ |
| Sucrose (CAS 57-50-1) | TWA | 10 mg/m ³ |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|-----------------------------|------|----------------------|-------------|
| Corn Starch (CAS 9005-25-8) | TWA | 5 mg/m ³ | Respirable. |
| Sucrose (CAS 57-50-1) | TWA | 10 mg/m ³ | Total |
| | | 5 mg/m ³ | Respirable. |
| | | 10 mg/m ³ | Total |

Biological limit values

No biological exposure limits noted for the ingredient(s).

Control banding approach

Not available.

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. General ventilation normally adequate.

Individual protection measures, such as personal protective equipment**Eye/face protection**

If contact is likely, safety glasses with side shields are recommended.

| | |
|---------------------------------------|---|
| Skin protection | |
| Hand protection | Wear appropriate chemical resistant gloves. Impervious gloves are recommended if skin contact with drug product is possible and for bulk processing operations. |
| Other | Wear suitable protective clothing. Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas. |
| Respiratory protection | No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection should be provided in instances where exposure to dust, mists, aerosols or vapors are likely. If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL. |
| Thermal hazards | Not applicable. |
| General hygiene considerations | Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace. |

9. Physical and chemical properties

| | |
|---|------------------------------|
| Appearance | Tablet. (Chewable tablet). |
| Physical state | Solid. |
| Form | Solid. |
| Color | Light brown. |
| Odor | Not available. |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not available. |
| Flash point | Not available. |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Relative density | Not available. |
| Solubility(ies) | |
| Solubility (water) | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Explosive properties | Not explosive. |
| Oxidizing properties | Not oxidizing. |

10. Stability and reactivity

| | |
|---------------------------|---|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Material is stable under normal conditions. |

| | |
|---|--|
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | Contact with incompatible materials. Heat, flames and sparks. Moisture. |
| Incompatible materials | Strong oxidizing agents. Acids. |
| Hazardous decomposition products | Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---------------------|---|
| Inhalation | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| Skin contact | Prolonged skin contact may cause temporary irritation. There have been anecdotal reports that workers handling this material have experienced skin irritation and/or sensitivity reactions. |
| Carprofen | Species: Rabbit Severity: Non-irritating |

| | |
|--------------------|--|
| Eye contact | Direct contact with eyes may cause temporary irritation. |
| Carprofen | Species: Rabbit Severity: Non-irritating |

| | |
|------------------|---|
| Ingestion | May be harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure. |
|------------------|---|

| | |
|---|--|
| Symptoms related to the physical, chemical and toxicological characteristics | Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness, and discomfort. Mild skin irritation. Exposure may cause temporary irritation, redness, or discomfort. May cause an allergic skin reaction. Dermatitis. Rash. if swallowed: Nausea, vomiting. Abdominal pain. Chronic exposure to this material may cause serious gastrointestinal toxicity such as bleeding, ulceration, and perforation. |
|---|--|

Information on toxicological effects

| | |
|-----------------------|------------------------------|
| Acute toxicity | May be harmful if swallowed. |
|-----------------------|------------------------------|

| Product | Species | Test Results |
|--------------------------------------|---------|---|
| Rimadyl (Carprofen) Chewable Tablets | | |
| <u>Acute</u> | | |
| Oral | | |
| ATE | | 4545 mg/kg |
| Components | Species | Test Results |
| Carprofen (CAS 53716-49-7) | | |
| <u>Acute</u> | | |
| Intraperitoneal | | |
| LD50 | Rat | 140 - 110 mg/kg (M/F) |
| Oral | | |
| LD50 | Mouse | 282 mg/kg |
| | Rat | 149 mg/kg |
| Subcutaneous | | |
| LD50 | Rat | 230 - 190 mg/kg (M/F) |
| <u>Chronic</u> | | |
| Oral | | |
| NOAEL | Dog | 25 mg/kg/day, 2 years (Not carcinogenic; No effects at maximum dose) |
| | Rat | 10 mg/kg/day, 2 years (Not carcinogenic, Gastrointestinal system effects) |
| <u>Subchronic</u> | | |
| Oral | | |
| NOAEL | Dog | 5 mg/kg/day, 13 weeks (Target organs: None identified) |
| | Rat | 5 mg/kg/day, 13 weeks (Target organs: Gastrointestinal System) |

| Components | Species | Test Results |
|---|--|--|
| Magnesium stearate (CAS 557-04-0) | | |
| Acute | | |
| Inhalation | | |
| LC50 | Rat | > 2000 mg/m3 |
| Oral | | |
| LD50 | Rat | > 2000 mg/kg |
| Sucrose (CAS 57-50-1) | | |
| Acute | | |
| Oral | | |
| LD50 | Rat | 29.7 g/kg |
| Skin corrosion/irritation | Prolonged skin contact may cause temporary irritation. | |
| Corrosivity | | |
| Carprofen | | Species: Rabbit Severity: Non-irritating |
| Serious eye damage/eye irritation | Direct contact with eyes may cause temporary irritation. | |
| Eye Contact | | |
| Carprofen | | Species: Rabbit Severity: Non-irritating |
| Respiratory or skin sensitization | | |
| Respiratory sensitization | Not a respiratory sensitizer. | |
| Skin sensitization | May cause an allergic skin reaction. Not a skin sensitizer in experimental animals. However, workers handling Rimadyl tablets have developed red and blotchy patches on their hands and faces. | |
| Skin sensitization | | |
| Carprofen | | GPMT Species: Guinea Pig Severity: Negative |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. | |
| Mutagenicity | | |
| Carprofen | | Bacterial Mutagenicity (Ames) Result: Negative Species: Salmonella |
| Sucrose | | Bacterial Mutagenicity (Ames) Result: Negative Species: Salmonella |
| Carprofen | | In Vivo Micronucleus Result: Negative Species: Mouse |
| Carcinogenicity | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. | |
| IARC Monographs. Overall Evaluation of Carcinogenicity | Not listed. | |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) | Not regulated. | |
| US. National Toxicology Program (NTP) Report on Carcinogens | Not listed. | |
| Reproductive toxicity | Suspected of damaging the unborn child. | |

Developmental effects

Carprofen

20 mg/kg/day Embryo / Fetal Development, Not Teratogenic
Result: NOAEL
Species: Rat

40 mg/kg/day Prenatal & Postnatal Development, Not Teratogenic
Result: NOAEL
Species: Mouse

6 mg/kg/day Prenatal & Postnatal Development, Embryotoxicity, Early embryonic development
Result: NOAEL
Species: Rabbit
Organ: Oral

Reproductivity

Carprofen

20 mg/kg/day Reproductive & Fertility, Fetotoxicity, Maternal toxicity
Result: NOAEL
Species: Rat

Specific target organ toxicity - single exposure

Not classified.

Specific target organ toxicity - repeated exposure

May cause damage to organs (digestive system) through prolonged or repeated exposure by ingestion.

Aspiration hazard

Not an aspiration hazard.

Further information

Anecdotal reports from facilities handling RIMADYL caplets have indicated a potential for workers to develop rashes upon exposure to dusts of the material.

12. Ecological information

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Avoid release to the environment.

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potential

No data available for this product. Not expected to bioaccumulate.

Mobility in soil

No data available.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions

Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Do not contaminate ponds, waterways or ditches with chemical or used container. 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. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

None known.

Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |

| | | |
|-----------------------------|---|-------------------------------|
| Country(s) or region | Inventory name | On inventory (yes/no)* |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | No |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

| | |
|------------------------------|--|
| Issue date | 10-02-2013 |
| Revision date | 06-01-2017 |
| Version # | 04 |
| List of abbreviations | ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP). |
| Disclaimer | 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. The information in the sheet was written based on the best knowledge and experience currently available. |
| Revision information | This document has undergone significant changes and should be reviewed in its entirety. |