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## Section 1- Identification of the Material and Supplier

### Zoetis Australia Pty Ltd

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Tel: 1800 814 883

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**Chemical nature:** Carprofen is a non-steroidal anti-inflammatory ingredient  
**Trade Name:** **Rimadyl Chewable Tablets**  
**Product Use:** Analgesia and relief of chronic inflammation in joint diseases in dogs  
**Creation Date:** **September, 2006**  
**This version issued:** **1 October 2016** and is valid for 5 years from this date

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## Section 2 - Hazards Identification

**Appearance:** Light brown tablets

### Classification of the Substance or Mixture

#### GHS - Classification

Reproductive Toxicity: Category 2

Specific target organ systemic toxicity (repeated exposure): Category 2

### Label Elements

**Signal Word:**

Warning

**Hazard Statements:**

H361d - Suspected of damaging the unborn child

H373 - May cause damage to organs through prolonged or repeated exposure

**Precautionary Statements:**

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P308 + P313 - IF exposed or concerned: Get medical attention/advice

P405 - Store locked up

P501 - Dispose of contents/container in accordance with all local and national regulations



### Other Hazards

**Short Term:**

Not an eye irritant; Not a skin irritant (based on animal data) . There have been anecdotal reports that workers handling this material have experienced skin irritation and/or sensitivity reactions.

**Long Term:**

Repeat-dose studies in animals have shown a potential to cause adverse effects on gastrointestinal system, the developing fetus.

## MATERIAL SAFETY DATA SHEET

**Note:** This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warnings included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

### Section 3 - Composition/Information on Ingredients

Hazardous Ingredients	CAS No	Conc, %	GHS Classification
Corn Starch	9005-25-8	*	Not Listed
Carprofen	53716-49-7	3.3	Acute Tox 3 (H301) Repro 2 (H361d) STOT Re 2 (H373)
Sucrose	57-50-1	*	Not Listed
Magnesium stearate	557-04-0	*	Not Listed
Starch	9005-25-8	*	Not Listed

Ingredients	CAS No	Conc, %	GHS Classification
Wheat germ	NOT ASSIGNED	*	Not Listed
Liver powder, dehydrated	NOT ASSIGNED	*	Not Listed
Calcium phosphate dibasic, anhydrous	7757-93-9	*	Not Listed
Lactose NF, monohydrate	64044-51-5	*	Not Listed
Gelatin	9000-70-8	*	Not Listed
Hydrolyzed vegetable protein	NOT ASSIGNED	*	Not Listed

**Additional Information:** \* Proprietary  
Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

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

### Section 4 - First Aid Measures

#### Description of First Aid Measures

<b>Eye Contact:</b>	Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.
<b>Skin Contact:</b>	Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.
<b>Ingestion:</b>	Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.
<b>Inhalation:</b>	Remove to fresh air and keep patient at rest. Seek medical attention immediately.

#### Most Important Symptoms and Effects, Both Acute and Delayed

<b>Symptoms and Effects of Exposure:</b>	For information on potential signs and symptoms of exposure, See Section 2 – Hazards Identification and/or Section 11 - Toxicological Information.
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**Medical Conditions** None known  
**Aggravated by Exposure:**

### Indication of the Immediate Medical Attention and Special Treatment Needed

**Notes to Physician:** None

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## Section 5 - Fire Fighting Measures

**Extinguishing Media:** Use carbon dioxide, dry chemical, or water spray.

### Special Hazards Arising from the Substance or Mixture

**Hazardous Combustion Products:** May emit toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride and other chlorine-containing compounds.

**Fire / Explosion Hazards:** Not applicable

### Advice for Fire-Fighters

During all firefighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

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## Section 6 - Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures

Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

### Environmental Precautions

Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

### Methods and Material for Containment and Cleaning Up

**Measures for Cleaning / Collecting:** Contain the source of spill if it is safe to do so. Collect spilled material by a method that controls dust generation. A damp cloth or a filtered vacuum should be used to clean spills of dry solids. Clean spill area thoroughly.

**Additional Consideration for Large Spills:** Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

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## Section 7 - Handling and Storage

### Precautions for Safe Handling

Minimize dust generation and accumulation. If tablets or capsules are crushed and/or broken, avoid breathing dust and avoid contact with eyes, skin, and clothing. When handling, use appropriate personal protective equipment (see Section 8). Wash thoroughly after handling. Releases to the environment should be avoided. Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.

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**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions:** Store as directed by product packaging.  
**Specific end use(s):** No data available

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**Section 8 - Exposure Controls and Personal Protection****Control Parameters****Corn Starch**

**ACGIH Threshold Limit Value (TWA)** 10 mg/m<sup>3</sup>  
**Australia TWA** 10 mg/m<sup>3</sup>

**Carprofen**

**Zoetis OEL TWA 8-hr** 1000 µg/m<sup>3</sup>

**Sucrose**

**ACGIH Threshold Limit Value (TWA)** 10 mg/m<sup>3</sup>  
**Australia TWA** 10 mg/m<sup>3</sup>

**Magnesium stearate**

**ACGIH Threshold Limit Value (TWA)** 10 mg/m<sup>3</sup>

**Starch**

**ACGIH Threshold Limit Value (TWA)** 10 mg/m<sup>3</sup>  
**Australia TWA** 10 mg/m<sup>3</sup>

**Exposure Controls**

**Engineering Controls:** Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes. Keep airborne contamination levels below the exposure limits listed above in this section.

**Personal Protective Equipment:** Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).

**Hands:** Impervious gloves are recommended if skin contact with drug product is possible and for bulk processing operations.

**Eyes:** Wear safety glasses or goggles if eye contact is possible.

**Skin:** Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.

**Respiratory protection:** None required under normal conditions of use. 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.

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**Section 9 - Physical and Chemical Properties:**

<b>Physical State:</b>	Tablet	<b>Color:</b>	Light brown
<b>Odor:</b>	No data available	<b>Odor Threshold:</b>	No data available
<b>Molecular Formula:</b>	Mixture	<b>Molecular Weight:</b>	Mixture

**Solvent Solubility:** No data available

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<b>Water Solubility:</b>	No data available
<b>pH:</b>	No data available
<b>Melting/Freezing Point (°C):</b>	No data available
<b>Boiling Point (°C):</b>	No data available
<b>Partition Coefficient: (Method, pH, Endpoint, Value)</b>	No data available
<b>Decomposition Temperature (°C):</b>	No data available
<b>Evaporation Rate (Gram/s):</b>	No data available
<b>Vapor Pressure (kPa):</b>	No data available
<b>Vapor Density (g/ml):</b>	No data available
<b>Relative Density:</b>	No data available
<b>Viscosity:</b>	No data available

**Flammability:**

<b>Autoignition Temperature (Solid) (°C):</b>	No data available
<b>Flammability (Solids):</b>	No data available
<b>Flash Point (Liquid) (°C):</b>	No data available
<b>Upper Explosive Limits (Liquid) (% by Vol.):</b>	No data available
<b>Lower Explosive Limits (Liquid) (% by Vol.):</b>	No data available

**Polymerization:** Will not occur

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## Section 10 - Stability and Reactivity

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Stable under normal conditions of use.
<b>Possibility of Hazardous Reactions</b>	
<b>Oxidizing Properties:</b>	None
<b>Conditions to Avoid:</b>	Fine particles (such as dust and mists) may fuel fires/explosions.
<b>Incompatible Materials:</b>	As a precautionary measure, keep away from strong oxidizers
<b>Hazardous Decomposition Products:</b>	No data available

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## Section 11 - Toxicological Information

**Information on Toxicological Effects**

**General Information:** The information included in this section describes the potential hazards of the individual ingredients.

**Acute Toxicity: (Species, Route, End Point, Dose)****Magnesium stearate**

Rat Oral	LD50	> 2000 mg/kg
Rat Inhalation	LC50	> 2000 mg/m <sup>3</sup>

**Sucrose**

Rat Oral	LD50	29.7 g/kg
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**Carprofen**

Mouse	Oral	LD50	282 mg/kg
Rat Oral	LD50	149mg/kg	
Rat (M/F)	SC	LD50	230/190mg/kg
Rat (M/F)	IP	LD50	140/110 mg/kg

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Phone: 1800 814 883

Poisons Information Centre: 13 11 26 from anywhere in Australia, (0800 764 766 in New Zealand)

**Acute Toxicity Comments:** A greater than symbol (>) indicates that the toxicity endpoint being tested was not achievable at the highest dose used in the test.

**Irritation / Sensitization: (Study Type, Species, Severity)**

**Carprofen**

Eye Irritation	Rabbit	Non-irritating
Skin Irritation	Rabbit	Non-irritating
Skin Sensitization - GPMT	Guinea Pig	Negative
Antigenicity- Delayed skin reaction	Guinea Pig	No effect

**Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)**

**Carprofen**

13 Week(s)	Rat	Oral 5 mg/kg/day	NOAEL	Gastrointestinal System
13 Week(s)	Dog	Oral 5 mg/kg/day	NOAEL	None identified

**Reproduction & Developmental Toxicity: (Study Type, Species, Route, Dose, End Point, Effect(s))**

**Carprofen**

Reproductive & Fertility	Rat	20 mg/kg/day	NOAEL	Fetotoxicity, Maternal toxicity
Embryo / Fetal Development	Rat	20 mg/kg/day	NOAEL	Not Teratogenic
Prenatal & Postnatal Development	Mouse	40 mg/kg/day	NOAEL	Not Teratogenic
Prenatal & Postnatal Development	Rabbit	Oral 6 mg/kg/day	NOAEL	Embryotoxicity, Early embryonic development

**Genetic Toxicity: (Study Type, Cell Type/Organism, Result)**

**Sucrose**

Bacterial Mutagenicity (Ames)	<i>Salmonella</i>	Negative
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**Carprofen**

Bacterial Mutagenicity (Ames)	<i>Salmonella</i>	Negative
<i>In Vivo</i> Micronucleus	Mouse	Negative

**Carcinogenicity: (Duration, Species, Route, Dose, End Point, Effect(s))**

**Carprofen**

2 Year(s)	Dog	Oral 25 mg/kg/day	NOAEL	Not carcinogenic, Gastrointestinal system
				Not carcinogenic, No effects at maximum dose

**Carcinogen Status:** None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

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**Section 12 - Ecological Information**

**Environmental Overview:**

The environmental characteristics of this material have not been fully evaluated. Releases to the environment should be avoided.

**Toxicity:**

No data available

**Persistence and Degradability:**

No data available

**Bio-accumulative Potential:**

No data available

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**Mobility in Soil:** No data available

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### Section 13 - Disposal Considerations

**Disposal:** Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service..

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### Section 14 - Transport Information

**The following refers to all modes of transportation unless specified below.**

Not regulated for transport under IATA, ADG or IMDG regulations.

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### Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredients: Carprofen, are mentioned in the SUSMP.

#### Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

##### Corn Starch

**Australia (AICS):** Present

##### Carprofen

**Australia (AICS):** Present

##### Calcium phosphate dibasic, anhydrous

**Australia (AICS):** Present

##### Sucrose

**Australia (AICS):** Present

##### Lactose NF, monohydrate

**Australia (AICS):** Present

##### Gelatin

**Australia (AICS):** Present

##### Magnesium stearate

**Australia (AICS):** Present

##### Starch

**Australia (AICS):** Present

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### Section 16 - Other Information

#### MATERIAL SAFETY DATA SHEET

Issued by: Zoetis Australia Pty Ltd

Phone: 1800 814 883

Poisons Information Centre: 13 11 26 from anywhere in Australia, (0800 764 766 in New Zealand)

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

**Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number</b>	United Nations Number

**Contact Points:**

**This version issued: 1 October 2016** and is valid for 5 years from this date

**Supersedes:** Revision issued 1 July 2016

**Revision History:**

Date of Revision	Reason
17 Nov 2014	Update to GHS
01 Jul 2016	Revision for consistency with Zoetis organisation
01 Oct 2016	Minor corrections and updates including disposal information. Addition of more information on ingredients.

<b>Zoetis</b>	<b>1800 814 883</b>
<b>Police and Fire Brigade:</b>	<b>Dial 000</b>

**If ineffective:**

**Dial Poisons Information Centre**  
**(13 11 26 from anywhere in Australia)**

**THIS SDS SUMMARISES OUR CURRENT AND BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION ABOUT THE PRODUCT DETAILED IN THIS SDS, AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE FOR THE RECOMMENDED USE. EACH USER OF THE PRODUCT MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THEIR OWN WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT ZOETIS.**

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011)

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**End of Safety Data Sheet**

**MATERIAL SAFETY DATA SHEET**