Section 1- Identification of the Material and Supplier

Zoetis Australia Pty Ltd
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Level 6, 5 Rider Blvd
Rhodes NSW 2138 AUSTRALIA
Tel: 1800 814 883
Fax: (02) 8876 0444
Email: productsupport.au@zoetis.com

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: 22 September 2021 and is valid for 5 years from this date

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
Issued by: Zoetis Australia Pty Ltd
Poisons Information Centre: 13 11 26 from anywhere in Australia, (0800 764 766 in New Zealand)
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

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

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

**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**

**Eye Contact:**
Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.

**Skin Contact:**
Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.

**Ingestion:**
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.

**Inhalation:**
Remove to fresh air and keep patient at rest. Seek medical attention immediately.

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

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

Indication of the Immediate Medical Attention and Special Treatment Needed
Notes to Physician: None

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.

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.

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.
Conditions for Safe Storage, Including any Incompatibilities

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

Section 8 - Exposure Controls and Personal Protection

Control Parameters

Corn Starch
ACGIH Threshold Limit Value (TWA) 10 mg/m³
Australia TWA 10 mg/m³

Carprofen
Zoetis OEL TWA 8-hr 1000 μg/m³

Sucrose
ACGIH Threshold Limit Value (TWA) 10 mg/m³
Australia TWA 10 mg/m³

Magnesium stearate
ACGIH Threshold Limit Value (TWA) 10 mg/m³

Starch
ACGIH Threshold Limit Value (TWA) 10 mg/m³
Australia TWA 10 mg/m³

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:

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.

Section 9 - Physical and Chemical Properties:

Physical State: Tablet
Odor: No data available
Molecular Formula: Mixture
Color: Light brown
Odor Threshold: No data available
Molecular Weight: Mixture
Solvent Solubility: No data available
Section 10 - Stability and Reactivity

Reactivity: No data available
Chemical Stability: Stable under normal conditions of use.
Possibility of Hazardous Reactions

Oxidizing Properties: None
Conditions to Avoid: Fine particles (such as dust and mists) may fuel fires/explosions.
Incompatible Materials: As a precautionary measure, keep away from strong oxidizers
Hazardous Decomposition Products: No data available

Polymerization: Will not occur

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/m³

Sucrose
Rat Oral LD50 29.7 g/kg

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

MATERIAL SAFETY DATA SHEET

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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) Salmonella Negative

Carprofen
Bacterial Mutagenicity (Ames) Salmonella Negative

In Vivo 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

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

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
Mobility in Soil: No data available

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.

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.

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

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

Contact Points:

This version issued: 22 September 2021 and is valid for 5 years from this date
Supersedes: Revision issued 1 Oct 2016

Revision History:

<table>
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<tr>
<th>Date of Revision</th>
<th>Reason</th>
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<tbody>
<tr>
<td>17 Nov 2014</td>
<td>Update to GHS</td>
</tr>
<tr>
<td>01 Jul 2016</td>
<td>Revision for consistency with Zoetis organisation</td>
</tr>
<tr>
<td>01 Oct 2016</td>
<td>Minor corrections and updates including disposal information. Addition of more information on ingredients.</td>
</tr>
<tr>
<td>22 Sep 2021</td>
<td>Periodical revision</td>
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</tbody>
</table>

Zoetis Police and Fire Brigade: 1800 814 883
Dial 000

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