	<b>SAFETY DATA SHEET</b>	Page : 1 of 6
		Revised edition no : 2
		Date : 8 / 11 / 2013
		Supersedes : 1 / 4 / 2011
<b>RONIDAZOLE</b>		<b>3034</b>

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name : RONIDAZOLE  
Product code : 3034

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : Active ingredient for veterinary drugs and medicated feeds, premixes and premixtures.

### 1.3. Details of the supplier of the safety data sheet

Company identification METAPHARMACEUTICAL IND S.L  
c/ Josep Plà 163, 2º 5ª  
08020 Barcelona  
Tel.: 933 089 976  
e-mail: info@metapharmaceutical.com

### 1.4. Emergency telephone number

Phone nr : (+34) 933 089 976

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

#### Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Not classified.

#### Classification EC 67/548 or EC 1999/45

\* Not classified.

### 2.2. Label elements


#### Labelling Regulation EC 1272/2008 (CLP)

Not classified.

**P Prevention** : P280: Wear protective gloves, protective clothing, eye protection, face protection.  
P262: Do not get in eyes, on skin, or on clothing.

### 2.3. Other hazards

Other hazards : None under normal conditions.

	<b>SAFETY DATA SHEET</b>	Page : 2 of 6
		Revised edition no : 2
		Date : 8 / 11 / 2013
		Supersedes : 1 / 4 / 2011
<b>RONIDAZOLE</b>		<b>3034</b>

### 3. Composition/information on ingredients

**Substance / Preparation** : (1-methyl-5-nitroimidazol-2-yl)methyl carbamate  
CAS No :7681-76-7  
EC No :231-675-1  
Annex No :---  
REACH Ref. :---  
Substance.

Contains no other components or impurities which will influence the classification of the product.

### 4. First aid measures

#### 4.1. Description of first aid measures

**Inhalation** : Assure fresh air breathing. Allow the victim to rest.  
**Skin contact** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  
**Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.  
**Ingestion** : Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

#### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms relating to use** : Not expected to present a significant hazard under anticipated conditions of normal use.

#### 4.3. Indication of any immediate medical attention and special treatment needed

**General information** : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

### 5. Fire-fighting measures

#### 5.1. Extinguishing media


**Suitable extinguishing media** : Foam. Dry powder. Carbon dioxide. Water spray. Sand.  
**Unsuitable extinguishing media** : Do not use a heavy water stream.  
**Surrounding fires** : Use water spray or fog for cooling exposed containers.

#### 5.2. Special hazards arising from the substance or mixture

**Hazardous combustion products** : Under fire conditions, hazardous fumes will be present.

#### 5.3. Advice for fire-fighters

**Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.  
**Special procedures** : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

	SAFETY DATA SHEET	Page : 3 of 6
		Revised edition no : 2
		Date : 8 / 11 / 2013
		Supersedes : 1 / 4 / 2011
RONIDAZOLE		3034

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**For emergency responders** : Equip cleanup crew with proper protection.  
Ventilate area.

**For non-emergency personnel** : Evacuate unnecessary personnel.

### 6.2. Environmental precautions

**Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

**Clean up methods** : On land, sweep or shovel into suitable containers. Minimize generation of dust.  
Store away from other materials.

### 6.4. Reference to other sections

See section 8. Exposure controls/personal protection

## 7. Handling and storage

### 7.1. Precautions for safe handling

**Handling** : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

**Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage** : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

**Storage - away from** : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

**Specific end use(s)** : None.

## 8. Exposure controls/personal protection

### 8.1. Exposure controls

**Personal protection** : Avoid all unnecessary exposure.

**i Respiratory protection** : Wear approved mask.

**i Hand protection** : Wear protective gloves.

**i Eye protection** : Chemical goggles or safety glasses.

**i Others** : When using, do not eat, drink or smoke.

### 8.2. Control parameters

**METAPHARMACEUTICAL IND, S.L.**


c/ Josep Plà 163, 2º 5ª

08020 Barcelona (SPAIN)

Tel.: 933 089 976

e-mail: info@metapharmaceutical.com

**In case of emergency : (+34) 933 089 976**

	<b>SAFETY DATA SHEET</b>	Page : 4 of 6
		Revised edition no : 2
		Date : 8 / 11 / 2013
		Supersedes : 1 / 4 / 2011
<b>RONIDAZOLE</b>		<b>3034</b>

## 8. Exposure controls/personal protection (continued)

Occupational Exposure Limits : No data available.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Powder.  
 Colour : White. Yellow-brown.  
 pH value : Not applicable.  
 Melting point [°C] : 167  
 Critical temperature [°C] : Not applicable.  
 Flash point [°C] : Not applicable.  
 Initial boiling point [°C] : Not applicable.  
 Final boiling point [°C] : Not applicable.  
 Solubility : Slightly soluble in water, in chloroform and in ethanol (96%). Very slightly soluble in ether.

### 9.2. Other information

## 10. Stability and reactivity

### 10.1. Reactivity

Reactivity : Not established.

### 10.2. Chemical stability

Chemical stability : Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

Hazardous reactions : Not established.

### 10.4. Conditions to avoid


Conditions to avoid : Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Materials to avoid : Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.

	<b>SAFETY DATA SHEET</b>	Page : 5 of 6
		Revised edition no : 2
		Date : 8 / 11 / 2013
		Supersedes : 1 / 4 / 2011
<b>RONIDAZOLE</b>		<b>3034</b>

## 11. Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

¡ Inhalation : Based on available data, the classification criteria are not met.

¡ Dermal : Based on available data, the classification criteria are not met.

Rat intraperitoneal LD50 [mg/kg] : 1500

¡ Ingestion : Based on available data, the classification criteria are not met.

- Rat oral LD50 [mg/kg] : 3400

## 12. Ecological information

### 12.1. Toxicity

Toxicity information : Not established.

### 12.2. Persistence - degradability

Persistence - degradability : Not established.

### 12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

### 12.4. Mobility in soil

Mobility in soil : Not established.

### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

### 12.6. Other adverse effects

Environmental precautions : Avoid release to the environment.

## 13. Disposal considerations

### 13.1. Waste treatment methods

General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

## 14. Transport information

### 14.1. Land transport (ADR-RID)

**METAPHARMACEUTICAL IND, S.L.**


c/ Josep Plà 163, 2º 5ª

08020 Barcelona (SPAIN)

Tel.: 933 089 976

e-mail: info@metapharmaceutical.com

**In case of emergency : (+34) 933 089 976**

	<b>SAFETY DATA SHEET</b>	Page : 6 of 6
		Revised edition no : 2
		Date : 8 / 11 / 2013
		Supersedes : 1 / 4 / 2011
<b>RONIDAZOLE</b>		<b>3034</b>

#### 14. Transport information (continued)

General information : Unregulated.

##### 14.2. Sea transport (IMDG) [English only]

General information : Unregulated.

##### 14.3. Air transport (ICAO-IATA) [English only]

General information : Unregulated.

#### 15. Regulatory information

##### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental regulations/legislation specific for the substance or mixture : Ensure all national/local regulations are observed.

##### 15.2. Chemical Safety Assessment

Chemical Safety Assessment : It has not been carried out.

#### 16. Other information

Revision : Revision - See : \*

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.  
vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

##### \* Labelling EC 67/548 or EC 1999/45

Not classified.

**! S Phrase(s)** : S22 : Do not breathe dust.  
S36 : Wear suitable protective clothing.

Further information : None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

End of document