



Material Safety Data Sheet
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 04/30/2007

Reviewed on 04/30/2007

1 Identification of substance

- **Product details**
- **Trade name:** EQUIOXX® Oral Paste for Horses
PREVICOX® Oral Paste for Horses
- **Manufacturer/Supplier:**
Merial Limited
3239 Satellite Blvd.
Duluth, Ga. 30096-4640
1-888-MERIAL 1 (1-888-637-4251)
- **Emergency information:**
Spill Information:
CHEMTREC® 1-800-424-9300
CHEMTREC® International 1+703-527-3887
International calls 011+703-527-3887
Reverse charges.

2 Composition/Data on components

- **Chemical characterization**

- **Components:**

	Non hazardous inert ingredients		99.18 %
189954-96-9	Firocoxib	R 52/53	0.82%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard description:** Not applicable.
- **Information pertaining to particular dangers for man and environment:**
The product does not have to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
The classification was made according to the latest editions of international substances lists, and from company and regulatory data.
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

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4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Seek immediate medical advice.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for a minimum of 15 minutes under running water. Get medical attention immediately.
- **After swallowing:** Immediately call a doctor.
- **After self injection**
- **Information for doctor.**
The following symptoms may occur
In case of symptomatic effect provide treatment to maintain life functions.

5 Fire fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Protective equipment:** Self-contained breathing apparatus and full protective equipment.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to section XIII.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Keep containers tightly sealed.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original container.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store below 86°F (30°C) up to 36 months.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or inhale.
Do not store food in the working area.

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· **Protection of hands:**

Chemical resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Safety goggles.

· **Body protection: Impervious protective clothing**

9 Physical and chemical properties

· **General Information**

Form:	Smooth, Semi-solid Paste
Color:	White to off-white
Odor:	None

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

· **Flash point:** Not determined

· **Auto igniting:** Product is not self-igniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Specific gravity:** Not determined.

· **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix.

· **Viscosity:** ~40 Cp

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

Avoid exposure to heat, sparks, or flame.

· **Materials to be avoided:** May react with strong oxidizers or reducers.

· **Dangerous reactions** No dangerous reactions known.

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- **Dangerous products of decomposition:**
 Thermal decomposition may release oxides of carbon, small molecular weight hydrocarbons and uncharacterized products.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

189954-96-9 Firocoxib

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

- **Primary irritant effect:**
 - **on the skin:** No irritating effect known.
 - **on the eye:** No irritating effect known.
- **Sensitization:** No sensitizing effects known.
- **Subacute to chronic toxicity:**
 In a 90-day oral toxicity study in rats, the NOAEL was 60 mg/kg/day, the highest dose tested. Non-adverse changes in liver, thyroid and kidney were reversible (resolved after treatment).
 In a 6-month study in adult beagle dogs, the NOAEL was 5 mg/kg/day.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations.

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

MUTAGENICITY:

Firocoxib:

Tested negative in bacterial and mammalian genetic toxicity tests with and without metabolic activation. Tests included: Ames Test, mouse lymphoma assay, CHO cell assay and mouse micronucleus assay.

REPRODUCTIVE AND DEVELOPMENTAL EFFECTS:

Firocoxib:

In a one-generation reproductive oral toxicity study in rats, the maternal NOEL was 1 mg/kg/day. The LOEL for reproduction and fetotoxicity was 1 mg/kg/day. In a developmental oral toxicity study in rats, a maternal and developmental NOAEL of 3 mg/kg/day was observed. In rabbits, the maternal toxicity NOEL was 3 mg/kg/day with the NOAEL of 1 mg/kg/day for developmental effects. An acceptable daily intake of 1.7 µg firocoxib/kg body weight is deemed health protective (i.e., negligible risk) in certain human subpopulations (e.g., pregnant women).

12 Ecological information

- **Ecotoxicological effects:**
- **Remark:**
 For Firocoxib:
 Daphnia test, 48 hr: EC50 > saturation limit (32.5 mg/l)
 Algae test, 72 hr: IC50 = 11 mg/l
- **General notes:** Not known to be hazardous to water.

13 Disposal considerations

- **Product:**
- **Recommendation:** Disposal must be made according to official regulations.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Maritime transport IMDG:**
- **Marine pollutant:** No

15 Regulations

- **SARA**

- **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

- **TSCA (Toxic Substances Control Act):**

None of the ingredients are listed.

- **CA Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenesis potential categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

- **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

- **Product related hazard informations:**

Observe the general safety regulations when handling chemicals.

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The product is not subject to identification regulations according to directives on hazardous materials.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Contact:** MSDS Coordinator, msds@merial.com

USA