

Section 1 - Identification of the Material and Supplier

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Chemical nature:	Blend of ingredients
Trade Name:	Orbenin Eye Ointment
Product Use:	For the treatment of bacterial keratoconjunctivitis in cattle, sheep, horses, dogs and cats. Bactericidal with activity against cloxacillin susceptible bacteria including <i>Moraxella bovis</i>
Creation Date:	July, 2006
This version issued:	1 October, 2016 and is valid for 5 years from this date

Section 2 - Hazards Identification

Appearance: White, creamy lotion

Classification of the Substance or Mixture

GHS – Classification

Respiratory Sensitization: Category 1

Skin Sensitization: Category 1

Label Elements

Signal Word:	Danger
Hazard Statements:	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled H317 - May cause an allergic skin reaction

Precautionary Statements:	P261 - Avoid breathing dust/fume/gas/mist/vapors/spray P284 - Wear respiratory protection P272 - Contaminated work clothing should not be allowed out of the workplace P312 - Call a POISON CENTRE/doctor/physician if you feel unwell P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician P302+ P352 - IF ON SKIN: Wash with plenty of soap and water P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention P321 - Specific treatment (see supplemental first aid instructions on this label) P362 - Take off contaminated clothing and wash before reuse P501 - Dispose of contents/container in accordance with all local and national regulations
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Other Hazards**Short Term:**

May cause allergic reaction in penicillin-sensitive individuals. Individuals who are allergic to penicillin antibiotics could have allergic reaction, possibly severe. If an allergic reaction occurs, the worker should be removed to the nearest emergency room and the appropriate therapy instituted.

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
Liquid paraffin	92062-35-6	*	Not Listed
Stearic acid	57-11-4	*	Not Listed
Aluminum stearate	637-12-7	*	Not Listed
Cloxacillin benzathine	23736-58-5	16	Resp. Sens. Cat. 1 (H334) Skin Sens. Cat. 1 (H317)

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:	Immediately flush eyes with water for at least 15 minutes. If irritation occurs or persists, get medical attention.
Skin Contact:	Remove contaminated clothing and shoes. Wash skin with soap and water. This material may not be completely removed by conventional laundering. Consult professional laundry service. Do not home launder.
Ingestion:	Get medical attention. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms and Effects of Exposure: No data available

Medical Conditions Aggravated by Exposure: People allergic to penicillins may exhibit cross reaction sensitivity.

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

Section 5 - Fire Fighting Measures**Extinguishing Media:** Carbon dioxide, dry powder, or foam**Special Hazards Arising from the Substance or Mixture****Hazardous Combustion Products:** Not known**Fire / Explosion Hazards:** Fine particles (such as dust and mists) may fuel fires/explosions**Advice for Fire-Fighters**

Wear approved positive pressure, self-contained breathing apparatus and full protective turn out gear.
Dike and collect water used to fight fire.

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 spill with absorbent material. 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**

Use appropriate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing dust, vapor or mist. Wash thoroughly after handling. Keep away from heat, sparks, and flame. Avoid accidental injection.

Conditions for Safe Storage, Including any Incompatibilities**Storage Conditions:** Store in a cool, dry, well-ventilated area.**Storage Temperature:** Store below 25°C**Incompatible Materials:** No data available**Specific end use(s):** No data available

Section 8 - Exposure Controls and Personal Protection**MATERIAL SAFETY DATA SHEET**

Control Parameters**Aluminum stearate**ACGIH Threshold Limit Value (TWA) 1 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.

Personal Protective Equipment:

Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).

Hands:

Wear two layers of disposable gloves.

Eyes:

Wear safety glasses or goggles if eye contact is possible.

Skin:

Protective coveralls should be worn. The sleeves should either be taped or have gloves worn over them to prevent material from contacting the skin.

Respiratory protection:

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:	Lotion	Color:	White
Odor:	No data available	Odor Threshold:	No data available
Molecular Formula:	Mixture	Molecular Weight:	Mixture
Solvent Solubility:	No data available		
Water Solubility:	No data available		
pH:	No data available		
Melting/Freezing Point (°C):	No data available		
Boiling Point (°C):	No data available		
Partition Coefficient: (Method, pH, Endpoint, Value)	No data available		
Decomposition Temperature (°C):	No data available		
Evaporation Rate (Gram/s):	No data available		
Vapor Pressure (kPa):	No data available		
Vapor Density (g/ml):	No data available		
Relative Density:	No data available		
Viscosity:	No data available		
Flammability:			
Autoignition Temperature (Solid) (°C):	No data available		
Flammability (Solids):	No data available		
Flash Point (Liquid) (°C):	Expected to be >55°C		
Upper Explosive Limits (Liquid) (% by Vol.):	No data available		
Lower Explosive Limits (Liquid) (% by Vol.):	No data available		
Polymerization:	Will not occur		

Section 10 - Stability and Reactivity**MATERIAL SAFETY DATA SHEET**

Reactivity:	No data available
Chemical Stability:	Stable at ambient temperatures
Possibility of Hazardous Reactions	
Oxidizing Properties:	No data available
Conditions to Avoid:	High temperatures
Incompatible Materials:	No data available
Hazardous Decomposition Products:	No data available

Section 11 - Toxicological Information

Information on Toxicological Effects

General Information: The information included in this section describes the potential hazards of the individual ingredients. Toxicological properties of the formulation have not been investigated.

Acute Toxicity: (Species, Route, End Point, Dose)

Stearic acid

Rat	Oral	LD50	> 4640 mg/kg
Rabbit	Dermal	LD50	> 5000mg/kg

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)

Stearic acid

Skin Irritation	Rabbit	Moderate
Eye Irritation	Rabbit	Mild

Stearic acid

30 Week(s)	Rat	Oral 300 ppm	LOAEL	Adipose tissue
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Stearic acid

<i>In Vitro</i> Bacterial Mutagenicity (Ames)	<i>Salmonella</i>	Negative
Unscheduled DNA Synthesis	<i>E. coli</i>	Negative

Stearic acid

26 Week(s)	Rat	Subcutaneous	0.5 mg/kg/week	NOAEL	Not carcinogenic
52 Week(s)	Mouse	Subcutaneous	0.05 mg/kg/week	LOAEL	Tumors

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: Penicillins are susceptible to degradation by a number of microorganisms found in wastewater treatment plants and the general environment. Resulting degradation products are readily mineralized by environmental microorganisms.

Toxicity: No data available

Persistence and Degradability: No data available

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Bio-accumulative Potential: No data available

Mobility in Soil: No data available

Section 13 - Disposal Considerations

Disposal: Dispose of small quantities and empty syringes by wrapping with paper and putting in garbage. For larger quantities, 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

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

Poison Schedule Schedule 4

Liquid paraffin

Australia (AICS): Present

Stearic acid

Australia (AICS): Present

Aluminum stearate

Australia (AICS): Present

Cloxacillin benzathine

Australia (AICS): Present

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
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
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

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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
Oct 2015	Update to Zoetis name and address
15 Aug 2016	Update to GHS
01 Oct 2016	Minor corrections and updates including update to disposal instructions. Addition of aluminium stearate and paraffin to formulation.

Contact Points:

Zoetis	1800 814 883
Police and Fire Brigade:	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

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