

MATERIAL SAFETY DATA SHEET**NATACID[®]**

Latest review: May 2007

1. PRODUCT AND COMPANY IDENTIFICATION

Commercial name: Natacid
Chemical product name: Natamycin 50% Min. in Glucose
Alias/Synonyms: Pimaricin
Producer: Caglificio Clerici S.p.A.
Via Manzoni 29 - 22071 Cadorago (CO) - Italy
Tel: +39.031.8859311; Fax: +39.031.904769; Web: www.clerici.org

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / preparation: this product is mixture of pure Natamycin and Glucose.
Chemical name: CAS (7681-93-8), INS 235, EEC No.235

3. HAZARD IDENTIFICATION

Physical / chemical hazards: finely dispersed particles are sensitive to dust explosion
Environmental hazards: No specific environmental hazard are known
Human health hazards: No specific adverse human health hazard are known.
Dust may cause mechanical irritation.
Symptoma of / over exposure: Inhalation: coughing
Skin: No specific effects and / or symptoms are known.
Eyes: redness
Ingestion: No specific effects and / or symptoms are known.

4. FIRST AID MEASURES

General: Remove contaminated clothing. No specific first aid measures are required.
Inhalation: Effects: Dust may cause mechanical irritation
First aid: Remove victim to fresh air. Keep victim at rest.
Consult a doctor in event of any complaints.
Skin contact: Effects: No specific effects and / or symptoms are known.
First aid: Remove contaminated clothing. Wash off affected skin with plenty of water and soap. Consult a doctor in event of any complaints.
Eye contact: Effects: Not irritating. Dust may cause mechanical irritation.
First aid: Wash out with plenty water with the eyelid held wide open at least 15 minutes. Consult a doctor.

Ingestion:	Effects:	No specific effects and / or symptoms are known.
	First aid:	Wash out mouth with water. Consult a doctor in event of any complaints.
Protection of first-aiders:		In case of insufficient ventilation, wear suitable respiratory equipment.

5. FIRE FIGHTING MEASURES

Extinguishing media Suitable:	Water, carbon dioxide snow (CO ₂), foam, dry chemical
Hazardous thermal (de)composition products:	CO, CO ₂ , NO
Specific hazards:	Finely dispersed particles are sensitive to dust explosion. Dike fire control water for later disposal.
Protection of fire-fighters:	Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions.	Use appropriate personal protection. Prevent forming of dust clouds.
Environmental precautions:	Do not allow to enter natural water or soil. If the substance has contaminated surface water, inform the appropriate authorities.
Methods of cleaning up:	Collect spilled material. Clean up affected area with water. Remove all kinds of dust layers. Prevent forming of dust clouds. Finely dispersed particles are sensitive to dust explosion.

7. HANDLING AND STORAGE

Handling:	Wear suitable protective clothing. Ventilation recommended. Prevent forming of dust clouds. Take precautionary measures against static discharges.
Storage:	Keep container tightly close in a cool place. Keep away from direct sunlight. Keep only in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Avoid exposure first of all by technical and / or organizational measures.

Engineering measures:	Local exhaust recommended. Ventilate areas
Hygienic measures:	Use appropriate personal protection. In case of insufficient ventilation, wear suitable respiratory equipment.
Occupational exposure limits:	No occupational exposure limits are known.
Personal protective equipment:	respiratory systems: Dust mask, type P1 Skin and Body: Working clothing. Hands: Gloves. Eyes: Safety goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Crystalline powder
Colour:	White – white-to yellow
Odour:	Neutral to slightly acid-like
Molecular weight:	665.75
pH:	5,0 – 7,5
Water:	≤8%
Heavy metals:	≤10 ppm
Solubility:	water: 50-100ppm alcohol: water (80:20) 700ppm alcohol 100ppm glacial acetic acid 18.5%
Other properties:	more detailed information on physical and chemical properties can be requested from the supplier.

10. STABILITY AND REACTIVITY

Stability:	stable under storage conditions
Conditions to avoid:	Prevent forming of dust clouds.
Material to avoid:	Not reactive.
Hazardous decomposition products:	Heat, CO, NO
Hazardous polymerization:	not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Oral:	LD50, oral rate: > 2730 ppm
	Dermal:	No acute toxicity even at high doses.
	Inhalation:	Eyes: Rabbit, not irritating Skin: Rabbit, not irritating
Respiratory systems:		Other information: substance is not sensitizing Chronic toxicity: TD low oral rat: 34 104 ppm 2-Y-C Carcinogenicity: No evidence of carcinogenicity in experimental animals. Mutagenicity: Not mutagenic

12. ECOLOGICAL INFORMATION

Persistence / degradability:	substance is readily biodegradable
Bioaccumulative potential:	Bioaccumulation in aquatic organisms is not expected.
Ecotoxicity:	Not toxic to fish.

13. DISPOSAL CONSIDERATIONS

Please check the consequences of national regulations on this product yourself.

Product waste:	Combustion in an incinerator.
Contaminated packaging:	Disposal according to the local legislation.
Danger(s):	Finely dispersed particles are sensitive to dust explosion.

14. TRANSPORT INFORMATION

Classification	
Land- Road / Railway:	Product is not classified according to ADR/RID.
Inland waterways:	Product is not classified according to ADN.
SEA :	Product is not classified according to IMDG.
AIR:	Product is not classified to IATA.
National transport:	No additional transport regulations are known by the supplier.

15. REGULATORY INFORMATION

Please check the consequences of national regulations on this product yourself.
EC Regulations / Classification: Product is not dangerous according to EC regulations.
National regulations: No additional national regulations are known to the supplier.

16. OTHER INFORMATION

The information contained in this data sheet is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.