OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

ACTIDIONE AR
(Cycloheximide)
MSDS CAS: 66-81-9

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: ACTIDIONE AR
CAS#: 66-81-9
Synonym: Cycloheximide, Acti-Aid, Actidion ,Actidione , Actidione Br , Actidione Pm , Actidione Tgf , Cycloheximide, Beta-(2-(3,5-Dimethyl-2-Oxocyclohexyl)-2-Hydroxyethyl) Glutarimide , 3-(2-(3,5-Dimethyl-2-Oxocyclohexyl)-2-Hydroxyethyl)Glutarimide , Naramycin , Naramycin A
Chemical Name:
Chemical Formula: $C_{15}H_{23}NO_4$

Brand: OXFORD

Details of the Supplier of the Safety Data Sheet:

Company identification: **OXFORD LAB FINE CHEM LLP**
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Composition:

Ingredient	CAS #	% by Weight	Hazardous
Actidione	66-81-9	98-100%	YES

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Section 3: Hazards Identification

Classification according to EU Directives 67/548/EEC or 1999/45/EC
Possible risk of irreversible effects. May cause harm to the unborn child. Very toxic if swallowed. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Section 4: First Aid Measures

Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms and effects, both acute and delayed to the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Indication of immediate medical attention and special treatment needed
No data available

Section 5: Fire and Explosion Data

Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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Section 5: Fire and Explosion Data (Continued)

Extinguishing media

Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NOx)

Precautions for fire-fighters

Wear self-contained breathing apparatus for fire fighting if necessary.

Further information

No data available

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Stability

Stable. Incompatibilities: bases, strong oxidizing agents, acid anhydrides, acid chlorides Hazardous combustion or decomposition products: carbon monoxide, carbon dioxide, nitrogen oxides Hazardous

Polymerization: will not occur.

Section 7: Handling and Storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

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Section 7: Handling and Storage (Continued)

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Specific end uses

No data available

Section 8: Exposure Controls/Personal Protection

Control parameters
Components with workplace control parameters
Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (Without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Wash and dry hands.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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Section 9: Physical and Chemical Properties

Physical state and appearance: powder.
Odor : Not available
Taste : Not available
Molecular Weight : 53.06 g/mole.
Color : beige.
pH (1% soln/water) : Not available.
Boiling Point : Not available.
Melting Point : 110 °C
Critical Temperature : Not available
Specific Gravity : Not available
Vapor Pressure : Not available
Vapor Density : Not available
Volatility : Not available.
Odor Threshold : Not available.
Ionicity (in Water) : Not available.
Dispersion Properties : Not available.
Water solubility : slightly soluble
Partition coefficient: noctanol/water log Pow: 0,55

Section 10: Stability and Reactivity Data

Reactivity: no data available
Chemical stability: no data available
Possibility of hazardous reactions: no data available
Conditions to avoid: no data available
Incompatible materials: Bases, Strong oxidizing agents, Acid anhydrides, Acid chlorides
Hazardous decomposition products: Other decomposition products - no data available

Section 11: Toxicological Information

Information on toxicological effects
Acute toxicity: LD50 Oral - rat - 2 mg/kg
Skin corrosion/irritation: Skin - rabbit - Skin irritation - 24 h

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Section 11: Toxicological Information (Continued)

Serious eye damage/eye irritation: no data available
Respiratory or skin sensitization: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
Germ cell mutagenicity: Laboratory experiments have shown mutagenic effects. In vitro tests showed mutagenic effects

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity: May cause congenital malformation in the fetus. Presumed human reproductive toxicant
Specific target organ toxicity - single exposure: no data available
Specific target organ toxicity - repeated exposure: no data available
Aspiration hazard: no data available

Potential health effects

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion: May be fatal if swallowed.
Skin: May be harmful if absorbed through skin. Causes skin irritation.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information

RTECS: MA4375000

Section 12: Ecological Information

Toxicity: no data available
Persistence and degradability: no data available
Bioaccumulative potential: no data available
Mobility in soil: no data available
Results of PBT and vPvB assessment: no data available
Other adverse effects: Toxic to aquatic life.

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Section 13: Disposal Considerations

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

Section 14: Transport Information

Land transport (ADR-RID

Proper shipping name : TOXIC SOLID, ORGANIC, N.O.S.
UN N° : 2811
H.I. nr : 66
ADR – Class : 6.1
Labelling – Transport : 6.1: Toxic substances.

Sea transport (IMDG) [English only]

Proper shipping name : TOXIC SOLID, ORGANIC, N.O.S.
UN N° : 2811
IMO-IMDG - Class or division: 6.1: Toxic substances.
IMO-IMDG - Packing group: I

Air transport (ICAO-IATA) [English only]

Proper shipping name : TOXIC SOLID, ORGANIC, N.O.S.
UN N° : 2811
IATA - Class or division: 6.1: Toxic substances.
IATA - Packing group: I

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Section 15: Other Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available

Chemical Safety Assessment
no data available

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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