

MATERIAL SAFETY DATA SHEETS

DAPTOMYCIN IMPURITY 14

1.IDENTIFICATION

1.1 GHS PRODUCT IDENTIFIER

Product Name	Daptomycin Impurity 14
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1.2 OTHER MEANS OF IDENTIFICATION

Product Name	Daptomycin Impurity 14
Other names	2,2'-(3S,6S,9R,15S,18R,21S,24S,30S,31R)-30-(2S)-2-(2R)-4-Amino-2-(2S)-2-(2Z)-3-hydroxydodec-6-enamido)-3-(1H-indol-3-yl)propanamido)-4-oxobutanamido)-3-carboxypropanamido)-3-(2-(2-aminophenyl)-2-oxoethyl)-24-(3-aminopropyl)-6-((S)-1-carboxypropan-2-yl)-9-(hydroxymethyl)-18,31-dimethyl-2,5,8,11,14,17,20,23,26,29

1.3 RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

Identified uses	Industrial and scientific research uses
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Uses advised against	No data available
1. Use of force 2. Use of arms 3. Use of weapons 4. Use of explosives 5. Use of chemical weapons 6. Use of biological weapons 7. Use of nuclear weapons 8. Use of cyber weapons 9. Use of space weapons 10. Use of anti-personnel weapons 11. Use of anti-aircraft weapons 12. Use of anti-ship weapons 13. Use of anti-submarine weapons 14. Use of anti-tank weapons 15. Use of anti-aircraft missiles 16. Use of anti-ship missiles 17. Use of anti-submarine missiles 18. Use of anti-tank missiles 19. Use of anti-aircraft guns 20. Use of anti-ship guns 21. Use of anti-submarine guns 22. Use of anti-tank guns 23. Use of anti-aircraft rockets 24. Use of anti-ship rockets 25. Use of anti-submarine rockets 26. Use of anti-tank rockets 27. Use of anti-aircraft bombs 28. Use of anti-ship bombs 29. Use of anti-submarine bombs 30. Use of anti-tank bombs 31. Use of anti-aircraft mines 32. Use of anti-ship mines 33. Use of anti-submarine mines 34. Use of anti-tank mines 35. Use of anti-aircraft traps 36. Use of anti-ship traps 37. Use of anti-submarine traps 38. Use of anti-tank traps 39. Use of anti-aircraft nets 40. Use of anti-ship nets 41. Use of anti-submarine nets 42. Use of anti-tank nets 43. Use of anti-aircraft barriers 44. Use of anti-ship barriers 45. Use of anti-submarine barriers 46. Use of anti-tank barriers 47. Use of anti-aircraft ditches 48. Use of anti-ship ditches 49. Use of anti-submarine ditches 50. Use of anti-tank ditches 51. Use of anti-aircraft trenches 52. Use of anti-ship trenches 53. Use of anti-submarine trenches 54. Use of anti-tank trenches 55. Use of anti-aircraft bunkers 56. Use of anti-ship bunkers 57. Use of anti-submarine bunkers 58. Use of anti-tank bunkers 59. Use of anti-aircraft fortifications 60. Use of anti-ship fortifications 61. Use of anti-submarine fortifications 62. Use of anti-tank fortifications 63. Use of anti-aircraft strongholds 64. Use of anti-ship strongholds 65. Use of anti-submarine strongholds 66. Use of anti-tank strongholds 67. Use of anti-aircraft bases 68. Use of anti-ship bases 69. Use of anti-submarine bases 70. Use of anti-tank bases 71. Use of anti-aircraft depots 72. Use of anti-ship depots 73. Use of anti-submarine depots 74. Use of anti-tank depots 75. Use of anti-aircraft warehouses 76. Use of anti-ship warehouses 77. Use of anti-submarine warehouses 78. Use of anti-tank warehouses 79. Use of anti-aircraft stores 80. Use of anti-ship stores 81. Use of anti-submarine stores 82. Use of anti-tank stores 83. Use of anti-aircraft depots 84. Use of anti-ship depots 85. Use of anti-submarine depots 86. Use of anti-tank depots 87. Use of anti-aircraft depots 88. Use of anti-ship depots 89. Use of anti-submarine depots 90. Use of anti-tank depots 91. Use of anti-aircraft depots 92. Use of anti-ship depots 93. Use of anti-submarine depots 94. Use of anti-tank depots 95. Use of anti-aircraft depots 96. Use of anti-ship depots 97. Use of anti-submarine depots 98. Use of anti-tank depots 99. Use of anti-aircraft depots 100. Use of anti-ship depots	

1.4 SUPPLIER'S DETAILS

Company	Cleanchem Laboratories LLP
Address	Plot No.R-80, 2nd Floor, Prama Instruments,TTC Industrial area, Rabale, Navi Mumbai, Maharashtra- 400 701
Telephone	022-27601987

2. HAZARD IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

NO DATA AVAILABLE

2.2 GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

Pictogram(s) No data available

Signal word No data available

Hazard statement(s)	No data available
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Precautionary statement(s)

Prevention	No data available
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Response	No data available
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Storage	No data available
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Disposal	No data available
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Hazard(s) not otherwise	None known
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classified (HNOC)	Pharmaceutical related compound of unknown potency.
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Supplemental information

3.1 SUBSTANCES

MOLECULAR FORMULA: C₇₄H₁₀₃N₁₇O₂₇ **MOLECULAR WEIGHT:** 1662.7

Chemical name	Common names and synonyms	CAS number
2,2'-(18,65,98,156,188,215,245,308,318)-3-(2S)-2-(2R)-4-(1-oxo-2-(2S)-2-(2Z)-3-hydroxyphthal-6-oximid)-3-(1H-indol-3-yl)pyrrolidin-6-oximidanamide; 3-carboxypropylamide; 3-(2Z)-2-(2Z)-2-oximidyl-2R-(3-aminopropyl)-6-oxido-3-(3-carboxypropyl)-2-(9-9-dihydroxyundecyl)-18,11-dimethyl-2,5,8,11,14,17,20,23,26,29-dexcano-5-oxa-4,7,10,13,16,19,22,25,28-nonaazacyclononadecane-15,21-dithiolic acid	NA	NA

4.1 DESCRIPTION OF NECESSARY FIRST-AID MEASURES

Medical attention is required. Consult a doctor. Show this safety data sheet (SDS) to the doctor in attendance

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

Rinse with pure water for at least 15 minutes. Consult a doctor.

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

may cause physiological effects

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

Treat symptomatically

5. FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing media

Water, use dry chemical, carbon dioxide or alcohol-resistant foam.

5.2 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Carbon oxides, Nitrogen oxides, Hydrogen fluoride, Sulphur oxides

5.3 SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS

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

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Wear appropriate personal protective equipment. Avoid Inhalation of dust from the spilled material. Do not touch damaged containers or spilled material Unless wearing appropriate protective clothing. Ensure adequate ventilation.

6.2 ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains, water courses or onto the ground.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Avoid the generation of dusts during clean-up. Sweep up or vacuum up spillage and collect in Suitable container for disposal. Clean surface thoroughly to remove residual contamination. For Waste disposal

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

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

Keep in a dry place.

Storage conditions: Refrigerator

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure limit values

No exposure limits noted for ingredient

8.2 Appropriate engineering controls

A laboratory fume hood or other appropriate form of local exhaust ventilations

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US).

Skin protection

Wear fire/flammable resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. 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.

Respiratory protection

Recommended respirators are NIOSH-approved N100 or CEN-approved FFP3 particulate respirators. These are to be only used as

a backup to local exhaust ventilation or other engineering controls. If the respirator is the only means of protection, a full-face

supplied air respirator must be used

Thermal hazards

Wear appropriate thermal protective clothing, when necessary

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state

Colour

Odour

Melting point/ freezing point

Boiling point or initial boiling point and boiling range

Flammability

Lower and upper explosion limit / flammability limit

Flash point NA

Auto-ignition temperature NA

Decomposition temperature NA

pH

Kinematic viscosity

Solubility

Partition coefficient n-octanol/water

Vapour pressure NA

Density and/or relative density NA

Relative vapour density NA

Particle characteristics NA

10. STABILITY AND REACTIVITY

10.1 Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport

10.2 Chemical stability

Material is stable under normal conditions

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use

10.4 Conditions to avoid

Contact with incompatible materials

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

- ORAL LD50: NO DATA AVAILABLE
- INHALATION: NO DATA AVAILABLE
- DERMAL: NO DATA AVAILABLE

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

Based on available data, the classification criteria are not met

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

There are no data on the ecotoxicity of this product.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Disposal methods

Product

Product may be burned in an incinerator equipped with afterburner and scrubber. Excess and expired materials are to be offered to a licensed hazardous material disposal company. Ensure that all Federal and Local regulations regarding the disposal and destruction of this material are followed.

Contaminated packaging Dispose of as above.

14. TRANSPORT INFORMATION

14.1 DOT: Not regulated as dangerous goods

IATA: Not regulated as dangerous goods

14.2 UN Proper Shipping Name

ADR/RID: No data available

IMDG: No data available

IATA: No data available

14.2 UN Proper Shipping Name

ADR/RID: No data available

IMDG: No data available

IATA: No data available

14.3 Transport hazard class(es)

ADR/RID: No data available

IMDG: No data available

IATA: No data available

14.4 Packing group, if applicable

ADR/RID: No data available

IMDG: No data available

IATA: No data available

14.5 Environmental hazards

ADR/RID: No

IMDG: No

IATA: No

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

It is the shipper's responsibility to determine the correct transport classification at the time of shipment

15. Regulatory information

US federal regulations

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

European Union

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

16. OTHER INFORMATION

Abbreviations and acronyms

- CAS: CHEMICAL ABSTRACTS SERVICE
- IATA: INTERNATIONAL AIR TRANSPORTATION ASSOCIATION
- LD50: LETHAL DOSE 50%

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. We as supplier shall not be held liable for any damage resulting from handling or from contact with the above product