Material Safety Data Sheet

Section 1 : Chemical Product Company Identification	
Product Name	Oseltamivir Nitroso Impurity 1
CAS No.	NA
Identified uses	Pharmaceutical Reference Standard
Details of the Supplier Company	SynZeal Research Pvt Ltd Plot No. F, Ganesh Industrial Estate 423/24/8, MahagujaratInd Estate Sarkhej-Bavla Road, Ahmedabad-382 213. Gujarat, India.
Telephone	+91-7969225400

Section 2 : Chemical Information	
Chemical Name	Ethyl (3R,4S,5R)-5-(tert-butyl(nitroso)amino)-4-hydroxy-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylate
CAS No.	NA
Molecular Weight	356.5
Molecular Formula	C18H32N2O5

Section 3 : Hazards Identification	
Emergency Overview:	
Appearance	Light Yellow Semi Solid
Target Organs	NA
Potential Health Effects:	
Eye	NIL
Skin	NIL
Ingestion	NIL
Inhalation	NIL
Chronic	NIL

Hazard Statement:	
H302:Harmful if swallowed.	

H312:Harmful in contact with skin.	
H315:Causes skin irritation.	
H319:Causes serious eye irritation.	
H332:Harmful if inhaled.	
H335:May cause respiratory irritation.	
Precautionary Statement:	
P261:Avoid breathing dust/fume/gas/mist/vapours/spray.	
P262:Do not get in eyes, on skin, or on clothing.	
P271:Use only outdoors or in a well-ventilated area.	
P280:Wear protective gloves/protective clothing/eye protection/face protection.	
P302 + P352:IF ON SKIN: Wash with plenty of water	
P304 + P340:IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue	

P308 + P313:IF exposed or concerned: Get medical advice/attention.

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Section 4 : First Aid Measures	
Еуе	Wash with plenty of water
Skin	Wash with plenty of water
Ingestion	Medical assistance for gastric lavage.
Inhalation	Remove to fresh air, artificial respiration or oxygen if necessary.
Notes to Physician	Oseltamivir Nitroso Impurity 1 can be washed with plenty of water in case of any exposure

Section 5 : Firefighting Measures	
Extinguishing Media	Carbon dioxide, dry chemical powder, foam, water.
Unusual Fire and Explosion Hazards	None indicated

Section 6 : Accidental Release Measures	
Personal Precautions	Wear self-contained breathing apparatus, avoid dust formation.
Spills/Leaks	Wash with plenty of water, provide adequate ventilation.

Section 7 : Handlings and Storage	
Handling	Wear surgical gloves

Storage

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Section 8 : Exposure Controls, Personal Protection	
Respiratory Protection	Self-contained breathing apparatus
Exposure Limits	NA
Eye Protection	Wear safety goggles
Other Protective Equipment	Protective clothing
Skin	Full sleeves apron
Clothing	Cotton

Section 9: Physical and Chemical Properties	
Appearance	Light Yellow Semi Solid
Odor	Odor less
Melting Point	NA
рН	Basic
Vapor Pressure	NA
Vapor Density	NA
Evaporation Rate	NA
Viscosity	NA
Boiling Point	NA
Decomposition Temp	NA
Auto ignition Temp.	NA
Flash Point	NA
NFPA Rating	NA
Explosion Limits	
Lower	NA
Upper	NA
Solubility	Chloroform, Methanol
Specific Gravity/Density	NA

Section 10 : Stability and Reactivity	
Chemical Stability	
Conditions to avoid	Direct contract to skin

Incompatibilities with other Materials	Keep away
Hazardous Decomposition Products	NIL
Hazardous Polymerization	NIL

Section 11 : Toxicological Information		
CAS	NA	
LD50/LC50	NA	
Carcinogenicity	NIL	
Epidemiology	NIL	
Teratogenicity	NIL	
Reproductive Effects	NIL	
Neurotoxicity	NIL	
Mutagencity	NIL	
Other Studies	NA	

Section 12 : Ecological Information Data not available

Section 13 : Disposal Consideration	
RCRA P-Series	Can be incinerated
RCRA U-Series	NA

Section 14 : Transport Consideration
UN-Number
ADR/RID: IMDG: IATA:
UN proper shipping name
ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods
Transport hazard class(es)
ADR/RID: IMDG: IATA:
Packaging Group
ADR/RID: IMDG: IATA:
Environmental hazards

ADR/RID: No

IMDG Marine pollutant: No

IATA: No

Further information

Special precautions for users

Section 15 : Regulatory Information **TSCA** Attached the letter Health and Safety Reporting List No data available **Chemical Test Rules** Chemical analysis report is attached Section 16 : Additional Information This product is not bioactive, non-radioactive. It is for R and D use only. Not for drug, household or other uses.

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. It does not represent any guarantee of the product.