

Material Safety Data Sheet

Section 1: Chemical Product Company Identification

Product Name	Tiglic aldehyde
CAS Number	497-03-0
Identified Uses	Pharmaceutical Reference Standard
Details of the Supplier Company	Naarini MolBio Pharma Private Limited 308, Yash Arian, Swami Vivekanand Circle, Memnagar, Ahmedabad, India - 380052.
Contact Number	+91 9824257789

Section 2: Chemical Information

Chemical Name	Tiglaldehyde; (2E)-2-Methyl-2-butenal; (E)-2-Methyl-2-butenal; (E)-2-Methyl-2-butenal; (E)-2-Methylbut-2-en-1-al; Tiglic Aldehyde; trans-2-Methyl-2-butenal; trans-Tiglaldehyde
CAS Number	497-03-0
Molecular Weight	84.12
Molecular Formula	C ₅ H ₈ O

Section 3: Hazard Identification

Emergency Overview:	
Appearance	Colourless to Pale Yellow Oil
Target Organs	N/A
Potential Health Effects:	
Eye	NIL
Skin	NIL
Ingestion	NIL
Inhalation	NIL
Chronic	NIL

Section 4: First Aid Measures

Eye	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Get medical advice/attention
Skin	Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Get medical advice/attention
Ingestion	Medical assistance for gastric lavage.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention
Notes to Physician	Apalutamide IHRS can be washed with plenty of water in case of any exposure

Section 5: Fire Fighting Measures

Extinguishing Media	Carbon Dioxide, dry chemical powder, foam, water.
Unusual Fire & 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: Handling & Storage

Handling	Wear Surgical Gloves
Storage	Can be stored at Room Temperature

Section 8: Exposure Controls, Personal Protection

Respiratory Protection	Self-Contained Breathing Apparatus
Exposure Limits	NA
Eye Protection	Wear Safety Goggles
Other Protective Equipment	Wear Protective Clothing
Skin	Full Sleeves Apron
Clothing	Cotton

Section 9: Physical & Chemical Properties

Appearance	Colourless to Pale Yellow Oil
Odour	Odourless
Melting Point	137°C
pH	NA
Vapour Pressure	NA
Vapour Density	>1
Evaporation Rate	NA
Viscosity	NA
Boiling Point	116°C
Decomposition Temperature	NA
Auto Ignition Temperature	NA
Flash Point	18°C
NFPA Rating	NA
Explosion Limits:	
Lower	NA
Upper	NA
Solubility	Chloroform, Methanol
Specific Gravity/Density	NA

Section 10: Stability & Reactivity

Chemical Stability	Stable
Conditions to avoid	Direct Contact With Skin
Incompatibilities w.r.to Other Materials	Oxidizing agents
Hazardous Decomposition Products	Carbon dioxide, Carbon monoxide
Hazardous Polymerization	NIL

Section 11: Toxicological Information

CAS	NA
LD50/LC50	NA
Carcinogenicity	NA
Epidemiology	NA

Teratogenicity	NA
Reproductive Effects	NA
Neurotoxicity	NA
Mutagenicity	NA
Other Studies	NA

Section 12: Ecological Information

No Data Available

Section 13: Disposal Consideration

RCRA P-Series	Can be incinerated
RCRA U-Series	NA

Section 14: Transportation Consideration

Un Number:	
Transport Hazard Class(es):	
ADR/RID	3: Flammable liquid
IMDG	3: Flammable liquid
IATA	3: Flammable liquid
Environmental Hazard(s)	
ADR/RID	II
IMDG	II
IATA	II

Section 15: Transportation Consideration

TSCA	No Data Available
Health & Safety Reporting List	No Data Available
Chemical Test Rules	Chemical Analysis Report Is Attached Herewith

Section 16: Additional Information

This product is NOT bioactive, non-radioactive. It is for R&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 present state of our knowledge. It does not represent any guarantee of the product. The burden of safe use of this material rests entirely with the user. Naarini MolBio Pharma Private Limited disclaims all liability for any damage resulting from use of this material.