

Material Safety Data Sheet		
Secti	Section 1: Chemical Product Company Identification	
Product Name	1-Chlorobutane	
CAS Number	109-69-3	
Identified Uses	Pharmaceutical Reference Standard	
	Naarini MolBio Pharma Private Limited	
Details of the Supplier	308, Yash Arian, Swami Vivekanand Cirle,	
Company	Memnagar, Ahmedabad,	
	India - 380052.	
Contact Number	+91 9824257789	

Section 2: Chemical Information	
Chemical Name	Butyl Chloride
CAS Number	109-69-3
Molecular Weight	92.57
Molecular Formula	C4H9Cl

Section 3: Hazard Identification	
Emergency Overview:	
Appearance	Clear Colourless Oil
Target Organs	N/A
Potential Health Effects:	
Eye	NIL
Skin	NIL
Ingestion	NIL
Inhalation	NIL
Chronic	NIL

Section 4: First Aid Measures	
Eye	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	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	Clear Colourless Oil
Odour	Pungent
Melting Point	-123°C
pН	NA
Vapour Pressure	10.7kPa/20°C
Vapour Density	3.2
Evaporation Rate	NA
Viscocity	NA
Boiling Point	78°C
Decomposition Temperature	NA
Auto Ignition Temperature	240°C
Flash Point	-13°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	Keep Away
Hazardous Decomposition Products	NIL
Hazardous Polymerization	NIL

Section 11: Toxicological Information	
CAS	NA
LD50/LC50	NA
Carcinogenecity	NA
Epidemiology	NA
Teratogenicity	NA
Reproductive Effects	NA



Neurotoxicity	NA
Mutagencity	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	ll.	
IMDG		
IATA		

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 gurantee 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.