## **Material Safety Data Sheet**

Section 1: Chemical Product Company Identification			
Product Name	Alpha-Terpineol		
CAS No.	98-55-5		
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	2-(4-Methylcyclohex-3-en-1-yl)propan-2-ol	
CAS No.	98-55-5	
Molecular Weight	154.3	
Molecular Formula	C10H18O	

Section 3: Hazards Identification		
Emergency Overview:		
Appearance	Colourless Liquid	
Target Organs	NA	
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

Inhalation Remove to fresh air, artificial respiration or oxygen if necessary.  Notes to Physician Alpha-Terpineol 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 appuratus, avoid dust formation.  Spilis/Leaks Wash with plenty of water, provide adequate ventilation.  Section 7: Handlings and Storage  Handling Wear surgical gloves  Can be stored at room temperature  Section 8: Exposure Controls, Personal Protection  Respiratory Protection Self-contained breathing apparatus  NA  Exposure Limits NA  Server Protection Protection Protection  Childring Protective Equipment Protection  Cotton  Cotton  Cotton  Cotton  Cotton  Cotton  Cotton  Metring Point NA  Ma  Wash Physical and Chemical Properties  Metring Point NA  Ma  Wash Physical and Chemical Properties  Metring Point NA  Ma  Wash Physical and Chemical Properties  Metring Point NA  Ma  Wash Physical				
Alpha-Terpineol 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  Scroage Can be stored at room temperature  Section 8: Exposure Controls, Personal Protection  Respiratory Protection Self-contained breathing apparatus  Exposure Limits NA  Exposure Limits NA  Self-contained breathing apparatus  Cotton  Clothing Cotton  Clothing Cotton  Cotton  Cotton  Cotton  Cotton  Metring Point NA  PH  Basic  Vapor Perssure NA	Ingestion	Medical assistance for gastric lavage.		
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 Can be stored at room temperature  Section 8: Exposure Controls, Personal Protection  Respiratory Protection Self-contained breathing apparatus  Exposure Limits NA  Exposure Limits NA  Exposure Limits Protective Equipment Protection  Other Protective Equipment Protection  Section 9: Physical and Chemical Properties  Appearance Colouriess Liquid  Odor Odor less  Melting Point NA  PH Basic  Vapor Density NA  Expoporation Rate  NA  Expoporation Rate  NA  Expoporation Rate	Inhalation	Remove to fresh air, artificial respiration or oxygen if necessary.		
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 Can be stored at room temperature  Section 8: Exposure Controls, Personal Protection  Respiratory Protection Self-contained breathing apparatus  NA  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 Colourless Liquid  Odor Odor less  Melting Point NA  PH Basic  Vapor Pressure NA  NA  Evaporation Rate NA	Notes to Physician			
Unusual Fire and Explosion Hazards  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  Can be stored at room temperature  Section 8: Exposure Controls, Personal Protection  Respiratory Protection  Self-contained breathing apparatus  NA  Eye Protection  Wear safety goggles  Other Protective Equipment  Protective clothing  Skin  Full sleeves apron  Clothing  Cotton  Clothing  Cotton  Odor  Odor less  Melting Point  NA  PH  Basic  Vapor Pressure  NA  Evaporation Rate  NA  Evaporation Rate	Section 5: Firefighting Measures			
Section 6: Accidental Release Measures  Personal Precautions  Wear self-contained breathing apparatus, avoid dust formation.  Wash with plenty of water, provide adequate ventilation.  Section 7: Handlings and Storage  Handling  Wear surgical gloves  Can be stored at room temperature  Section 8: Exposure Controls, Personal Protection  Respiratory Protection  Self-contained breathing apparatus  NA  Exposure Limits  NA  Eye Protective Equipment  Protective Equipment  Protective Equipment  Protective Equipment  Clothing  Cotton  Cotton  Melting Point  NA  Melting Point  NA  PH  Basic  Vapor Pressure  NA  NA  Evaporation Rate  NA  Evaporation Rate	Extinguishing Media	Carbon dioxide, dry chemical powder, foam, water.		
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  Can be stored at room temperature  Section 8: Exposure Controls, Personal Protection  Respiratory Protection  Self-contained breathing apparatus  NA  Eye Protection  Wear safety goggles  Other Protective Equipment  Protective Equipment  Protective Lothing  Skin  Full sleeves apron  Clothing  Cotton  Cotton  Colourless Liquid  Odor  Odor less  Melting Point  NA  PH  Basic  Vapor Pressure  NA  Vapor Pressure  NA  NA  Evaporation Rate  NA  NA  Evaporation Rate	Unusual Fire and Explosion Hazards	None indicated		
Spills/Leaks  Wash with plenty of water, provide adequate ventilation.  Section 7: Handlings and Storage  Handling  Wear surgical gloves  Can be stored at room temperature  Section 8: Exposure Controls, Personal Protection  Respiratory Protection  Self-contained breathing apparatus  NA  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  Melting Point  NA  PH  Basic  Vapor Pressure  NA  Vapor Density  Evaporation Rate  NA	Section 6: Accidental Release Measures			
Section 7: 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 Protective clothing  Skin Full sleeves apron  Clothing Cotton  Section 9: Physical and Chemical Properties  Appearance Colourless Liquid  Odor Odor less  Melting Point NA  PH Basic  Vapor Pressure NA  Vapor Pressure NA  Vapor Density NA  Evaporation Rate NA	Personal Precautions	Wear self-contained breathing apparatus, avoid dust formation.		
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 Protective Equipment  Skin Full sleeves apron  Clothing Cotton  Section 9: Physical and Chemical Properties  Appearance Colourless Liquid  Odor Odor less  Melting Point NA  pH Basic  Vapor Pressure NA  Vapor Density NA  Evaporation Rate NA	Spills/Leaks	Wash with plenty of water, provide adequate ventilation.		
Section 8: Exposure Controls, Personal Protection  Respiratory Protection  Exposure Limits  Exposure Limits  NA  Wear safety goggles  Other Protective Equipment  Protective Cothing  Skin  Full sleeves apron  Clothing  Cotton  Section 9: Physical and Chemical Properties  Appearance  Colourless Liquid  Odor  Odor less  Melting Point  NA  PH  Basic  Vapor Pressure  NA  Vapor Density  Evaporation Rate  Can be stored at room temperature  Self-contained breathing apparatus  Self-contained breathing apparatus  Self-contained breathing apparatus  Apparatus  Colouries Liquid  Odor  NA  NA	Section 7: Handlings and Storage			
Section 8: Exposure Controls, Personal Protection  Respiratory Protection  Exposure Limits  NA  Eye Protection  Other Protective Equipment  Skin  Full sleeves apron  Clothing  Cotton  Section 9: Physical and Chemical Properties  Appearance  Odor  Odor less  Melting Point  pH  Basic  Vapor Pressure  NA  Vapor Density  Evaporation Rate  Self-contained breathing apparatus  Self-contained breathing apparatus  Self-contained breathing apparatus  Self-contained breathing apparatus  Calfornian apparatus  Colouries safety goggles  Other Protective clothing  Full sleeves apron  Cotton	Handling	Wear surgical gloves		
Respiratory Protection  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  Odor  Odor  Odor less  Melting Point  pH  Basic  Vapor Pressure  NA  Vapor Density  Evaporation Rate  NA  Self-contained breathing apparatus  NA  Self-contained breathing apparatus  NA  Wear safety goggles  Odor  Oction  Wear safety goggles  Odor  Oction  Vapor Self-contained breathing apparatus  NA  NA  NA  NA  NA  Evaporation Rate	Storage	Can be stored at room temperature		
Exposure Limits  Eye Protection  Wear safety goggles  Other Protective Equipment  Protective clothing  Skin  Full sleeves apron  Clothing  Cotton  Section 9: Physical and Chemical Properties  Appearance  Colourless Liquid  Odor  Odor less  Melting Point  pH  Basic  Vapor Pressure  NA  Vapor Density  NA  Evaporation Rate  NA	Section 8: Exposure Controls, Personal Protection			
Eye Protection Wear safety goggles  Other Protective Equipment Protective Colthing  Skin Full sleeves apron  Clothing Cotton  Section 9: Physical and Chemical Properties  Appearance Colourless Liquid  Odor Odor less  Melting Point NA  pH Basic  Vapor Pressure NA  Vapor Density NA  Evaporation Rate NA	Respiratory Protection	Self-contained breathing apparatus		
Other Protective Equipment  Skin  Full sleeves apron  Clothing  Cotton  Section 9: Physical and Chemical Properties  Appearance  Colourless Liquid  Odor  Odor less  Melting Point  NA  PH  Basic  Vapor Pressure  NA  Vapor Density  NA  Evaporation Rate  Protective clothing  Full sleeves apron  Cotton	Exposure Limits	NA		
Skin Full sleeves apron  Clothing Cotton  Section 9: Physical and Chemical Properties  Appearance Colourless Liquid  Odor Odor less  Melting Point NA  pH Basic  Vapor Pressure NA  Vapor Density NA  Evaporation Rate NA	Eye Protection	Wear safety goggles		
Clothing Cotton  Section 9: Physical and Chemical Properties  Appearance Colourless Liquid  Odor Odor less  Melting Point NA  pH Basic  Vapor Pressure NA  Vapor Density NA  Evaporation Rate NA	Other Protective Equipment	Protective clothing		
Section 9: Physical and Chemical Properties  Appearance Colourless Liquid Odor Odor less Melting Point NA  PH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA	Skin	Full sleeves apron		
Appearance Colourless Liquid Odor Odor less Melting Point NA  pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA	Clothing	Cotton		
Odor less  Melting Point NA  Basic  Vapor Pressure NA  Vapor Density NA  Evaporation Rate  Odor less NA  NA  NA	Section 9: Physical and Chemical Properties			
Melting Point  NA  Basic  Vapor Pressure  NA  Vapor Density  Evaporation Rate  NA  NA	Appearance	Colourless Liquid		
pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA	Odor	Odor less		
Vapor Pressure NA Vapor Density NA Evaporation Rate NA	Melting Point	NA		
Vapor Density NA  Evaporation Rate NA	рН	Basic		
Evaporation Rate NA	Vapor Pressure	NA		
	Vapor Density	NA		
Viscosity	Evaporation Rate	NA		
	Viscosity	NA		

Boiling Point	NA	
Decomposition Temp	NA	
Auto ignition Temp.	NA	
Flash Point	NA	
NFPA Rating	NA	
<b>Explosion Limits</b>		
Lower	NA	
Upper	NA	
Solubility	Chloroform, Methanol	
Specific Gravity/Density	NA	

Section 10: Stability and Reactivity		
Chemical Stability Stable		
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	

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

Special precautions for users

**Further information** 

Section	15:	Regulator	v Inforn	nation
Jection	<b>±</b> J.	regulator	y 1111011	nation

TSCA	Attached the letter
Health and Safety Reporting List	No data available
Chemical Test Rules	Chemical analysis report is attached

## Section 16: Additional Information

 $This \ product \ is \ not \ bioactive, \ non-radio active. \ It \ is \ for \ R/D \ use \ only. \ Not \ for \ drug, \ household \ or \ other \ uses.$ 

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 the present state of our knowledge. It does not represent any guarantee of the product.