Material Safety Data Sheet

Section 1 : Chemical Product Company Identification	
Product Name	13-Cis-Retinoic Acid Ethyl Ester
CAS No.	59699-82-0
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 (2Z,4E,6E,8E)-3,7-dimethyl-9-(2,6,6-trimethylcyclohex-1-en-1-yl)non a-2,4,6,8-tetraenoate
CAS No.	59699-82-0
Molecular Weight	328.5
Molecular Formula	C22H32O2

Section 3: Hazards Identification	
Emergency Overview:	
Appearance	Yellow Thick Oil
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 p	protection.	
P302 + P352:IF ON SKIN: Wash with plenty of water		
P304 + P340:IF INHALED: Remove person to fresh air and keep comfor	rtable 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 rinsing.		
P308 + P313:IF exposed or concerned: Get medical advice/attention.		
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	13-Cis-Retinoic Acid Ethyl Ester 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		
landling Wear surgical gloves		

Storage		
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	Yellow Thick Oil	
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		

Direct contract to skin

Conditions to avoid

	,	
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
Special precauti	ons for users	
Further informa	tion	

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.