

MATERIAL SAFETY DATA SHEET

ELJEN TECHNOLOGY
SWEETWATER, TX 79556

Emergency Phone (24 hours)
CHEMTREC (800) 424-9300

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Date: 19 January 2005

I. PRODUCT NAME: EJ-550 SILICONE OPTICAL GREASE

Product Identification EJ-550 SILICONE OPTICAL GREASE
Item Number: EJ-550
Product Type: Methyl Phenyl Polysiloxane
Formula Number: Does not apply

II. COMPOSITION

Ingredients:	<u>CAS No.</u>	<u>%</u>
Modified polysiloxane	2116-84-9	80-85
Substituted polysiloxane	73559-47-4	10-15
Silica, amorphous, treated	71889-01-5	5-10

III. CHEMICAL AND PHYSICAL PROPERTIES

Vapor Pressure: Not available
Vapor Density: Not available
Solubility in Water: Less than 1%
Specific Gravity: 1.04
Boiling Point: Not available
Volatile Organic Compound
(EPA Method 24) 1.42%; 14.8 grams/Liter
Evaporation Rate
(Ether= 1) Not available
pH: 6-7
Appearance: Transparent grease-like compound
Odor: Slight aldehyde type odor

IV. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flash Point: Minimum 300°F Method: Cleveland Open Cup
Estimated NFPA Code
Health Hazard: 0
Fire Hazard: 1
Reactivity Hazard: 0
Specific Hazard: Does not apply
Estimated HMIS Code,
Health Hazard: 0
Flammability Hazard: 1
Reactivity Hazard: 0
Personal Protection: See Section X
Explosive Limits;
(% by volume in air) Lower Not available
(% by volume in air) Upper Not available
Recommended;
Extinguishing Agents: Carbon dioxide, water, and dry powder

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Hazardous Products Formed by fire or Thermal
Decomp Oxides of silicon, carbon, and dust.
Unusual Fire or Explosion Hazards: None known
Compressed Gases: None
Pressure at Room Temp: Does not apply

V. SPILL OR LEAK AND DISPOSAL PROCEDURES

Steps to be taken in case
of spill or leak: Scrape up bulk – remove film with an inert absorbent
and/or hydrophobic solvent.

Recommended methods
of disposal: Incinerate following EPA and local regulations.

VI. STORAGE AND HANDLING PROCEDURES

Storage: For best performance store below 90°F in a closed
container.
Handling: Avoid prolonged skin contact. Keep away from eyes.

VII. SHIPPING REGULATIONS

DOT (49 CFR 172)
Domestic Ground Transport
Proper Shipping Name: Unrestricted
Hazard Class or Division: Unrestricted
Identification Number: None
Marine Pollutant: None

IATA
Proper Shipping Name: Unrestricted
Class or Division: Unrestricted
UN or ID Number: None

VIII. REACTIVITY DATA

Stability: Stable
Conditions to avoid: Temperature over 400°F.
Hazardous Polymerization: Will Not Occur
Hazardous Decomposition
Products (non-thermal): None
Incompatibility: Strong acids and alkalis, strong oxidizing agents such as
Peroxides and ammonium nitrate.

IX. EMERGENCY TREATMENT PROCEDURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain
medical attention.
Inhalation: Does not apply

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Skin Contact: Wash with soap and water.
Eye Contact: Flush eyes with water for at least 15 minutes.
Irritation is transient. If it persists, obtain medical attention.

X. PERSONAL PROTECTION

Eyes: Safety glasses or goggles
Skin: Rubber or plastic gloves
Ventilation: Local ventilation may be desired for prolonged use in a confined area.

XI. HEALTH HAZARD DATA

Toxicity: Transient eye irritation.
Primary Routes of Entry: Eyes
Signs and Symptoms of Exposure: Transient eye irritation.
Existing Conditions
Aggravated by Exposure: None known

Exposure Limits (TWA)	ACGIH	OSHA	OTHER
Ingredients,	(TLV)	(PEL)	
Silica, amorphous, treated	10mg/m3	15mg/m3 dust	None

Exposur Limits (STEL)	ACGIH	OSHA
Ingredients	(TLV)	(PEL)
Ingredients for which no Exposure Limits have been established are not listed above.		

Ingredients	<u>Literature Referenced</u> Target Organ and Other Health Effects	<u>Carcinogen</u>		
		NTP	IARC	OSHA
Modified polysiloxane	FET	NO	NO	NO
Substitured polysiloxane	No Data	NO	NO	NO
Silica, amorphous, treated	No Data	NO	NO	NO

Abbreviations
FET Fetotoxic

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