



JETEXINDIA

# JETEX SLC-65 COMPOUND

## Silicone Compound

Technical Data Sheet

### Dielectric, non-melting silicone grease like compound for electrical parts insulation and moisture protection

#### Benefits

- Wide service temperature range from -50°C to + 200°C
- Moisture resistant and excellent water repellency qualities prevent formation of conducting water film
- High degree of resistance to salt spray, humidity and corrosives
- High dielectric strength
- Chemically inert
- Very low volatility
- Very good thermal and oxidation stability
- Consistency is largely independent of temperature and maintains its grease like consistency at high temperatures
- Nontoxic, non volatile, non melting and odourless
- Compatible with plastic, rubber and metal pairings
- Very good adhesion on all metals, glass, plastic, ceramic, rubber substrates

#### Available Packaging

- 1 kg
- 5 kg
- 20 kg

#### Shelf Life

24 months from date of manufacture in sealed condition.

#### Applications

- As a moisture proof seal and protective barrier coating on high tension electrical connections of all electronic, electrical, industrial, marine, aircraft, automotive equipment for providing greater resistance to tracking and effects of corona discharges
- As a dielectric seal cum lubricant for switches, cables, cable connectors, high voltage insulators, battery terminals, plastic and rubber parts, bushings, electrical insulation, spark plugs, disconnection junctions, ignition systems to prevent formation of a conducting film of water, eliminate risk of flash overs, minimise electrical leakage and prevent ingress of moisture
- For all electrical fittings exposed to marine environments to protect from salt-water corrosion, oxidation, moisture penetration, reduce maintenance and increase wear life of equipment
- As a protective coating on insulators and bushings in chemical plants to protect them from chemical fumes, vapours and gases
- As an assembly lubricant for various metal-plastic and metal-rubber pairings
- On to surfaces of ceramics, metals, insulating materials to impart high surface resistivity

#### Method of Application

Apply by means of hand, brush or putty knife. Can also be dispersed in solvents like mineral spirits, xylene or methyl ethyl ketone for thinning the consistency and making it easier to apply by brushing, dipping or spraying. Do not mix with other oils or grease.

#### Directions For Use (Aerosol only)

Shut off equipment and turn off power before spraying. Spray thin, light and even coats onto clean, dry and moisture free surfaces to a thickness of about 0.4-0.5 mm. For optimum use, clean surface dry from moisture. Allow few minutes for solvent to completely evaporate before resuming operations. Removal of the film can be done by normal degreasing solvents.

#### Caution (Aerosol only)

Contains flammable solvents and propellant. Do not spray near naked flame, hot surfaces or energized equipment. Use with adequate ventilation.

JETEX INDUSTRIES

Registered Office: 101, Malwa, Patanwala Industrial Estate, LBS Marg, Ghatkopar (W), Mumbai-400086, INDIA.

[www.jetexindia.com](http://www.jetexindia.com)



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#### Technical Properties\*

Parameter	Value	Unit	Standard
Type	Silicone grease like compound		
Appearance	Smooth translucent grease		
Base oil	Silicone		
Thickener	Inorganic thickener		
Color <sup>1</sup>	Light Gray, white		
Penetration, unworked	220	mm/10	ASTM 217
Penetration, worked, 60	300 max	mm/10	ASTM 217
NLGI Consistency	2	Class	DIN 51 818
Density, @ 25°C	1	g/cm <sup>3</sup>	
Drop point	None	°C	ASTM D 566
Service temperatures	-50 to +200 1.5	°C	
Evaporation loss, 24h, 200°C	4.5		
Bleed, 24h, 200°C	9 minimum 120		DIN 51 817
Dielectric strength	Non CFC	kV/mm	IS 7648 Type A
Arc resistance		seconds	
Propellant (aerosol only)			

\* of active ingredients

1. Minor color variation of the same product but of different batches could be possible. However the lubrication values remain unchanged.