

Issued Date:10/01/2026

SECTION 1-- PRODUCT IDENTIFICATION

Product Type: : SG100
Product name: : Dielectric Silicone Grease

SECTION 2--COMPONENTS

Chemical/Common Name	CAS NO.	%
Silicone Base Oil	63148-62-9	65
Silica Inorganic Thickener	7631-86-9	20
Polyethylene Glycol Proprietary Additives	25322-68-3	15

SECTION 3-- HAZARD IDENTIFICATION

Main Hazards Main Hazards

Primary Routes of Exposure:

EYE	May cause mild eye irritation. Direct exposure to vapors may cause stinging, tearing and redness. May aggravate existing conjunctivitis of the eye, based on data from components or similar materials.
SKIN	Repeated or prolonged contact with skin may cause irritation which may lead to various skin disorders such as dermatitis, oil acne, or folliculitis. Avoid prolonged skin contact.
INHALATION	Inhalation of vapors or mists may be harmful. Purposely breathing high concentration of heated vapors may cause light-headedness and nausea, irritate mucosal membranes of mouth, nose, and throat; and aggravate existing respiratory diseases.
ORAL	Ingestion via minor contamination on fingers or food is not likely to cause significant discomfort or adverse affects. Gross amounts may cause irritation of the digestive tract (due to product consistency), nausea and vomiting. Aspiration into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury.

SECTION 4-- FIRST AID MEASURES

Oral	DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.
Eye	Flush with at least 15 minutes. Get medical attention if eye irritation develops or persists.
Skin	Wash immediately with soap and water. Remove soiled clothing. Get medical attention if irritation develops. Launder contaminated clothing.
inhalation	Remove exposed person to fresh air. If breathing is labored, administer oxygen and obtain immediate medical attention. If irritation persists or if toxic symptoms are observed, get medical attention.

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SECTION 5-- FIRE FIGHTING MEASURES

Extinguishing Media	Use foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media	Do not use water jet.
Special Hazards of Product	This product may give rise to hazardous fumes in a fire.
Protective Equipment for Fire-Fighting	Wear self-contained breathing apparatus.

SECTION 6-- ACCIDENTAL RELEASE MEASURES

Personal Precautions	Material can create slippery conditions underfoot.
Spillages	Transfer into suitable containers for recovery or disposal.

SECTION 7-- HANDLING AND STORAGE

Handling	Avoid prolonged skin contact, breathing vapors, and contaminated clothing. Use with adequate ventilation. Wear recommended protective equipment. Practice good personal hygiene after handling. Empty containers retain material residue. Do not cut, weld, braze, solder or expose containers to other ignition sources.
Storage	Storage temperature should be controlled to between 1 and 40 °C.

SECTION 8-- EXPOSURE CONTROLS-PERSONAL PROTECTION

Ventilation	Use in areas of adequate ventilation.
Gloves	Use nitrile or neoprene gloves are recommended.
Eye Protection	Safety glasses, goggles, or face shield are recommended.
Respiratory	Self- contained breathing apparatus is recommended for confined space entry. Long sleeve shirt and apron when potential for skin contact.
Clothing	Wear neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.

SECTION 9-- PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Translucent White paste
Boiling Point	: n/a
Evaporation Point	: negligible
Flammability	: Combustible
Odor	: petroleum oil odor
Specific Gravity	: n/a
Solubility in Water (kg/m3)	: Insoluble

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SECTION 10-- STABILITY AND REACTIVITY

STABILITY

Material is normally stable at ambient temperature and pressure

Conditions to Avoid

No specific measures necessary.

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Oxidizing agents. Do not heat above flash point.

Decomposition

Carbon dioxide, carbon monoxide.

SECTION 11-- TOXICOLOGICAL INFORMATION

Oral Toxicity

Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.

Eye Irritation

Not expected to cause eye irritation.

Skin Irritation

Not expected to be a primary skin irritant. Prolonged or repetitive contact may cause irritation.

SECTION 12-- ECOLOGICAL INFORMATION

Mobility

The product is insoluble in water. If released to water the product will sink. The product is poorly absorbed onto soils or sediments.

Persistence/Degradability

The product is expected to be resistant to biodegradation.

Bio-accumulation

Product is not expected to bioaccumulate.

SECTION 13-- DISPOSAL CONSIDERATIONS

Disposal

Consult local regulations regarding disposal methods, Recycle used oil. Do not contaminate use oil with solvents or other chemicals.

SECTION 14-- TRANSPORTATION INFORMATION

Transport tools generally used:

railway, boat, barrel

It must contact with ground prevent the dangerous of static electricity

Temperature of storage:

same as air

Temperature of pressure

same as air

SECTION 15-- REGULATORY INFORMATION

R Phrases

Keeping away from sources of ignition-No smoking.

S Phrases

Use only in well ventilated areas.

Keep out of children.

SECTION 16-- OTHER INFORMATION

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