



MATERIAL SAFETY DATA SHEET

This MSDS is compatible with ISO 11014 - 1:1994 and conforms to ANSI standard Z400.1 - 1993.

Section 1: Chemical Product and Company Identification

CHEMICAL SUPPLIER COMPANY NAME

Shin-Etsu MicroSi, Inc.
10028 South 51st Street
Phoenix, AZ 85044

EMERGENCY TELEPHONE

Chemtrec 24 hr: (800) 424-9300
Information: (480) 893-8898
Fax: (480) 893-8637

MANUFACTURER'S NAME:

Shin-Etsu Chemical Co. Ltd.

ADDRESS:

6-1, 2-Chrome, Ohtemachi, Chiyodaku, Tokyo, Japan

TELEPHONE NUMBER:

03-3246-5345 Tokyo, Japan

DATE PREPARED:

08/17/1998

DATE REVIEWED:

02/09/2000

PRODUCT NAMES:

G-749

CHEMICAL NAME:

Silicone Fluid Compound

CHEMICAL FAMILY:

Organopolysiloxane Mixture

FORMULA:

Mixture

Section 2: Composition, Information on Ingredients

PRODUCT COMPOSITION	wt. %	ACGIH TLV	OSHA PEL	UNITS	CAS NO.
Silicone Fluid Compound	100	Not Established	Not Established	Not Applicable	Mixture

Some items on this MSDS may be designated as trade secrets. Bonafide requests for disclosure of trade secret information to medical personnel must be made in accordance with the provisions contained in 29 CFR 1910.1200 I 1-13.

HAZARDOUS COMPONENTS: No hazardous materials present.

Section 3: Hazards Identification

HAZARD CLASSIFICATION:

Not classified as hazardous based on IMO and DOT.

FIRE AND EXPLOSION:

Not considered flammable or combustible, but this substance will burn if involved in a fire. Emits toxic fumes when burned.

POTENTIAL HEALTH EFFECTS

SKIN CONTACT:

May cause slight skin irritation.

EYE CONTACT:

May cause slight eye irritation.

INGESTION:

No information is available.

INHALATION:

Not applicable.

Section 4: First Aid Measures

SKIN CONTACT:

Remove product from skin with dry cloth or towel and wash exposed area with soap and water.

EYE CONTACT:

Immediately flush eyes with plenty of water for at least 15 minutes. Consult a Physician

INGESTION:

If swallowed, wash out mouth with water. **Never give anything by mouth to an unconscious person.** Consult a Physician.

INHALATION:

Not applicable. Be aware, if decomposition products are inhaled, remove to fresh air. If victim is not breathing give artificial respiration, preferably mouth-to-mouth. Consult a Physician.

Section 5: Fire-fighting Measures

FLASH POINT:

Not Applicable

FLAMMABLE LIMITS IN AIR (% by vol.):

Lower: Not Measured, Upper: Not Measured

EXTINGUISHING MEDIA:

Foam, Dry Chemical, or CO₂ or fine water spray.

SPECIAL FIREFIGHTING PROCEDURES:

Wear appropriate protective equipment, including NIOSH-approved respirator. Work from the upwind side of the fire. Use suitable extinguishing agents. If possible, move the container to a safe area. If it cannot be removed from fire danger, protect it from destruction then cool container and vicinity by spraying with water. If ignited and it cannot be extinguished easily, evacuate the area and call your emergency responders.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Emits toxic fumes when burned. Do not inhale decomposition products. Disperse harmful atmospheres by ventilating with air.

Section 6: Accidental Release Measures

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wear proper protective equipment and warn unnecessary people away. Eliminate all sources of ignition and ventilate area. Contain or dike the spill or leak. Take up spilled material with rag or cardboard. Place in a chemical waste container for later disposal. Avoid contacting spilled material with acids, bases, or oxidizing materials to prevent generation of hydrogen gas. Prevent spills from entering sewers or watercourses.

DISPOSAL METHOD:

Dispose in accordance with Federal, State and local regulations. Incineration is recommended.

Section 7: Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store upright in a cool, dry place. Keep container closed when not in use.

Keep away from heat, sparks, flame, direct sunlight and other possible sources of ignition.

Wear proper protective equipment and avoid contact with skin, eyes or clothing.

Wash hands and face after handling this material. Keep out of reach of children.

Do not smoke cigarettes which have come in contact with this material.

Follow all regulations in pertaining to this material in your country.

INFORMATION ON EMPTIED CONTAINER

Do not reuse this container. Do not puncture, cut or weld on or near this container.

Keep empty container away from heat, sparks, flame, and other possible sources of ignition.

Dispose of this container according to local, state, and federal laws in your country.

Section 8: Exposure Controls/Personal Protection

EXPOSURE GUIDELINES

ACGIH TLV-TWA: Not Established

ACGIH STEL: Not Established

OSHA PEL: Not Established

VENTILATION:

Good general, mechanical, room ventilation is recommended but not required.

SPECIAL VENTILATION CONTROLS: Not required.

RESPIRATORY PROTECTION:

Use only NIOSH approved respirator suitable for concentrations and type of air contaminants encountered if required by your process.

PROTECTIVE GLOVES: Plastic Film or Rubber Gloves

EYE PROTECTION: Goggles, Safety Glasses, Faceshield

PROTECTIVE CLOTHING:

Wear suitable protective clothing to prevent skin contact.

OTHER EQUIPMENT:

Make safety shower, eyewash stations and handwashing equipment available in the work area.

WORK/HYGIENE PRACTICES:

Avoid contact with eyes and prolonged, repeated skin contact. Wash hands and face after handling.

Section 9: Physical and Chemical Properties

BOILING POINT: Not Applicable

VAPOR PRESSURE(@25 °C): Negligible

VAPOR DENSITY(AIR=1): Not Applicable

SPECIFIC GRAVITY(@25 °C): 2.73

MELTING POINT: Not Applicable

EVAPORATION RATE(BUTYL ACETATE = 1): Negligible

SOLUBILITY IN WATER: Not Soluble

APPEARANCE - COLOR: Gray

PHYSICAL STATE: Paste

ODOR: Slight Odor

Section 10: Stability and Reactivity

STABILITY: Stable.

CONDITIONS TO AVOID: None.

INCOMPATIBILITY (MATERIALS TO AVOID): None.

HAZARDOUS DECOMPOSITION PRODUCTS: Emits toxic fumes when burned.

HAZARDOUS POLYMERIZATION: Will not occur.

Section 11: Toxicological Information

SKIN IRRITATION: No Data is Available

EYE IRRITATION: No Data is Available

ACUTE TOXICITY (LD50): No Data is Available

ACUTE TOXICITY (LC50): No Data is Available

CHRONIC TOXICITY: No Data is Available

CARCINOGENICITY

NTP: Not listed

IARC: Not Listed

OSHA REGULATED: Not listed

OTHER INFORMATION: None

Section 12: Ecological Information

BIODEGRADATION: No information is available.
BIOACCUMULATION: No information is available.
AQUATIC TOXICITY: No information is available.
OTHER INFORMATION: None

Section 13: Disposal Considerations

Can be burned in a chemical incinerator equipped with an afterburner and scrubber. Do not dispose of the emptied container unlawfully. Observe all federal, state, and local laws in your country.

Section 14: Transport Information (per 49 CFR 172.101)

UN NO.: Not Regulated
IMO CLASSIFICATION AND CLASS,
and DOT HAZARD CLASS: Not Regulated
DOT LABELS: None
PLACARD: None
PACKAGING GROUP: Not Regulated
DOT PROPER SHIPPING NAME,
and EXPORT SHIPPING NAME: None
TECHNICAL SHIPPING NAME: None
MARINE POLLUTANT: Not Regulated

DOT REPORTABLE QUANTITY (49 CFR 172.101, APP.) and CERCLA REPORTABLE QUANTITY (40 CFR PART 302, TABLE 302.4) HAZARDOUS SUBSTANCE(S) NAME / (CAS NO.), CONTENT(S) AND RQ: None.

Section 15: Regulatory Information

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

This product should be used in compliance with low volume exemptions (LVE) under TSCA. Under the LVE rules, this product is in compliance with rules, regulations and/or orders of TSCA.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313 SUPPLIER NOTIFICATION:

This regulation requires submission of annual reports of toxic chemical(s) that appear in section 313 of the Emergency Planning and Community Right To Know Act of 1986 and 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for the material. The toxic chemicals contained in this product are: Zinc Oxide, CAS No. 1314-13-2, ca. 20%.

CALIFORNIA PROPOSITION 65:

This regulation requires a warning for California Proposition 65 chemical(s) under the statute. The California Proposition 65 Chemical(s) contained in this product are: None.

EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS) STATUTE, and LABELING REQUIRED ACCORDING TO E.C. REGULATIONS

COMPONENT	EINEC/ELINC NO.	EINEC/ELINC STATUS	CMR CLASSIFICATION	RISK NO.	SAFETY NO.	WGK
Mixture	NA	Not Listed	Not Classified	Not Required		NF

Section 16: Other Information

FOR INDUSTRIAL USE ONLY:

This material safety data sheet is offered solely for your information, consideration and investigation. The data described in this MSDS consist of data on literature, our acquisitional data, and analogical inference by data of similar chemical substances or products. Shin-Etsu Chemical Co. Ltd. provides no warranties, either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein. Final determination of the suitability of any material is the sole responsibility of the user.

ADDITIONAL INFORMATION:

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