

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: #1410 Dielectric Silicone Grease
 Date Printed: May 21, 2013
 Product Use/Class: Dielectric Silicone Compound

Supplier: International Epoxies & Sealers
 30241 Commerce Drive
 San Antonio, FL 33576
 Information Phone: 1-800-451-7206

Emergency Telephone: INFOTRAC 1-800-535-5053
 Outside the U.S. Call collect: 1-352-323-3500

2. COMPOSITION / INFORMATION ON INGREDIENTS

This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Item	Chemical Name	CAS Number	%
	Silicon Dioxide	7631-86-9	7-13

3. HAZARDOUS IDENTIFICATION

CAUTION!
EMERGENCY OVERVIEW - May cause skin, eye and respiratory tract irritation. Contents under pressure.
 Appearance: Opaque
 Physical State: Paste / Gel
 Odor: Solvent

Potential Health Effects
 Principle Routes of Exposure: Inhalation. Skin contact. Eye contact.

Acute Toxicity
 Eyes: May cause irritation.
 Skin: May cause irritation.
 Inhalation: May be harmful if inhaled. may cause irritation of respiratory tract.
 Oral: Ingestion may cause irritation to mucous membranes.

Chronic Effects: No information available.
 Aggravated Medical Conditions: Preexisting eye disorders. Respiratory disorders.
 Environmental Hazard: See Section 12 for Ecological Information.

4. FIRST AID MEASURES

General Advice: If symptoms persist, call a physician.
Eye Contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin Contact: Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Inhalation: Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.
Ingestion: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Consult a physician. Do NOT induce vomiting.
Notes to physician: Treat symptomatically.
Protection of First-aiders: Use personal protective equipment.

5. FIRE FIGHTING MEASURES

Flammable Properties Not flammable. Combustible liquid.
Flash Point > 200 °F / > 93 °C
Method (based on components)
Suitable Extinguishing Media Use: Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol-resistant foam.
Hazardous Combustion Products Carbon oxides.

Explosion Data
Sensitivity to Static Discharge No.
Specific hazards arising from the chemical Keep product and empty container away from heat and sources of ignition Risk of ignition

MATERIAL SAFETY DATA SHEET

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Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

HMIS Health Hazard 1 Flammability 1 Physical Hazard 0 Personal protection B
 NFPA Health Hazard 1 Flammability 1 Stability 0 Physical and chemical hazards -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

Environmental Precautions: Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges.

7. HANDLING AND STORAGE

Handling: Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. No smoking. Wear personal protective equipment. Do not breathe vapors or spray mist. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

Storage: Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

Aerosol Level: 2

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Silicon Dioxide 7631-89-9		(vacated) TWA: 6 mg/m3 <1% Crystalline silica TWA: 20 mppcf : (80)/(%) SiO2) mg/m3 TWA	IDLH: 3000 mg/m3 TWA: 6 mg/m3

Other Exposure Guidelines: Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Engineering Measures: Ensure adequate ventilation.

Personal Protective Equipment

Eye/Face Protection: Tightly fitting safety goggles.

Skin and body protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene measures: When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state Paste/Gel
Odor Solvent
Appearance opaque
Color white

Property	Values	Remarks • Methods
pH	Not applicable	
Boiling point/boiling range		No information available
Flash Point	> 93 °C / > 200 °F	(based on components)
Flammability Limits in Air		No data available
upper flammability limit		
lower flammability limit		
Vapor pressure		Not Determined
Vapor density		Heavier than air
Specific Gravity		No information available
Water solubility		No information available
Viscosity, kinematic		No information available
VOC Content (%)	0	

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.
Incompatible products: Strong oxidizing agents.
Conditions to Avoid: Heat, flames and sparks.
Hazardous Decomposition Products: Carbon oxides. Fumes.
Hazardous Reactions: No information available.
Hazardous Polymerization: Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Product Information: Causes skin, eye and respiratory tract irritation. May be harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
SILICON DIOXIDE	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.2 mg/L (Rat) 1 h

Chronic Toxicity
Carcinogenicity: The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
SILICON DIOXIDE		Group 3		

IARC: (International Agency for Research on Cancer)
 Group 3 - Not Classifiable as to Carcinogenicity in Humans

Target Organ Effects: Eyes. Respiratory system.

12. ECOLOGICAL INFORMATION

Ecotoxicity: The environmental impact of this product has not been fully investigated.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of in accordance with federal, state, and local regulations.
Contaminated packaging: Do not re-use empty containers.

14. TRANSPORTATION INFORMATION

U.S. Dept. of Transportation Ground (49 CFR): Not Regulated
 IMDG Shipping Information: Not Regulated
 IATA Shipping Information: Not Regulated

15. REGULATORY INFORMATION

International Inventories
TSCA TSCA **ENCS** Complies
DSL Complies **IECSC** Complies
NDSL Complies **KECL** Complies
EINECS - **PICCS** Complies
ELINCS - **AICS** Complies

Chemical Name	TSCA	DSL	NDSL	EINECS	ELNECS	ENCS	IECSC	KECL	PICCS	AICS
Silicone Dioxide	Present	X	Not Listed	231-545-4	Not Listed	Present	X	KE-31032	X	X

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

MATERIAL SAFETY DATA SHEET

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U.S. Federal Regulations

SARA 313 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

U.S. State Regulations

California Proposition 65 This product does not contain any known Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Silicone Dioxide	X	X	X		

International Regulations

Mexico - Grade Slight Risk, Grade 1

Canada - This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Legend: N.A. - Not Applicable N.E. - Not Established N.D. - Not Determined

Prepared by: Technical Manager

DISCLAIMER: Some of the information presented is from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS may not be applicable. **END OF MSDS**