

**GLY SILICONE GREASE**

This product appears in the following stock number(s):

3048C 3048U 3050C 3050U

Last revised: 09/28/05

Printed: 9/29/2005

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Tradename:** GLY SILICONE GREASE  
**General use:** Grease  
**Chemical family:** Organosilicone/Plasticizer Blend

**MANUFACTURER**

ITW Philadelphia Resins  
 130 Commerce Dr.  
 Montgomeryville, PA 18936

**EMERGENCY INFORMATION**

**Emergency telephone number**  
**(CHEMTREC): (800) 424-9300**  
**Other Calls: (215) 855-8450**

**2. COMPOSITION/INFORMATION ON INGREDIENTS****HAZARDOUS CONSTITUENTS****Exposure limits**

Constituent	Abbr.	CAS No.	Weight percent	ACGIH TLV	OSHA PEL	Other Limits
Polyalkyleneoxide modified polydimethylsiloxane		67762850	1-10	n/e	n/e	n/e
Polypropylene glycol monobutyl ether		9003138	40-70	n/e	n/e	n/e
Polyether		9038953	1-5	n/e	n/e	n/e

"TLV" means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA Permissible Exposure Limit. "n/e" indicates that no exposure limit has been established. An asterisk (\*) indicates a substance whose identity is a trade secret of our supplier and unknown to us.

**3. HAZARDS IDENTIFICATION****Emergency Overview**

Appearance, form, odor: Translucent grease with mild odor.

**CAUTION!** Eye and skin irritant. May be harmful if swallowed.**Potential health effects**

**Primary routes of exposure:**  Skin contact  Skin absorption  Eye contact  Inhalation  Ingestion

**Symptoms of acute overexposure:****Skin:** None known.**Eyes:** Mild irritation (redness). Conjunctivitis under extreme conditions.

**Inhalation:**

Under extreme conditions when material is heated vapor may be irritating to respiratory tract (causing dizziness, loss of coordination, nausea) and result in the inhalation of harmful amounts of material.

**Ingestion:**

Aspiration into lung may occur during swallowing or vomiting, resulting in lung injury.

**Effects of chronic overexposure:**

Skin contact may cause sensitization and an allergic skin reaction in a small portion of individuals. Repeated inhalation of respirable aerosols may cause lung damage, which could impair lung function.

**Carcinogenicity -- OSHA regulated: No****ACGIH: No****National Toxicology Program: No****International Agency for Research on Cancer: No****Cancer-suspect constituent(s) : None****Medical conditions which may be aggravated by exposure:**

Unknown

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**4. FIRST AID MEASURES****First aid for eyes:**

Flush with water for at least 15 minutes and seek medical attention.

**First aid for skin:**

Wash with soap and water. If irritation develops and persists see a physician.

**First aid for inhalation:**

Remove patient to fresh air. If breathing is difficult seek medical attention.

**First aid for ingestion:**

Do NOT induce vomiting. Seek medical attention.

**Note to physician :**

Aspiration of vomit may cause lung injury.

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**5. FIRE FIGHTING MEASURES****Extinguishing media:** Water Carbon dioxide Dry chemical Foam Alcohol foam**Flash Point (°F):** >206**Method:** PMCC**Explosive limits in air (percent) -- Lower:** n/d **Upper:** n/d**Special firefighting procedures:**

Fire fighters should wear self-contained breathing apparatus in confined areas.

**Unusual fire and explosion hazards:**

Direct stream of water or foam may cause frothing and increase fire intensity.

**Hazardous products of combustion:**

Carbon monoxide, Carbon dioxide and oxides of silicone

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**6. ACCIDENTAL RELEASE MEASURES****Spill control:**

Avoid personal contact. Ventilate area. Wear appropriate protective equipment

**Containment:**

Dike, contain and absorb with clay, sand or other suitable material.

**Cleanup:**

Contain spill with absorbent material. Scrape up and remove. Put into proper containers for disposal.

**Special procedures:**

Prevent spill from entering drainage/sewer systems, waterways, and surface waters.

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**7. HANDLING AND STORAGE****Handling precautions:**

Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after using and particularly before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Avoid breathing vapors. Use with adequate ventilation. Launder contaminated clothing and protective gear before reuse. ---IF sanding or grinding cured material, avoid breathing dusts which contain amorphous silica. A tlv of 10 mg/m<sup>3</sup> should be observed for nuisance dusts. Sudden release of hot organic vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into hot equipment under a vacuum may result in ignitions without the presence of obvious ignition sources. Published ignition or autoignition temperature values cannot be treated as safe operating temperatures for such chemical processes.

**Storage:**

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

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Engineering controls****Ventilation :**

Local exhaust ventilation is preferred although good general mechanical ventilation is usually adequate for most industrial applications. Local exhaust is recommended for confined areas or if used at high temperatures. Sufficient ventilation should be used to keep concentrations below the established TLVs.

**Other engineering controls :**

Have emergency shower and eye wash available.

**Personal protective equipment****Eye and face protection:**

Safety glasses with side shields.

**Skin protection:**

Impervious gloves.

**Respiratory protection:**

None required under normal use. If heated or if mists are created, use a NIOSH approved respirator.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Specific gravity:</b>	0.871	<b>Boiling point (°F):</b>	n/d
<b>Melting point (°F):</b>	n/d	<b>Vapor density (air = 1):</b>	>1
<b>Vapor pressure (mmHg):</b>	<.01 at 68 °F	<b>Evaporation rate (butyl acetate = 1):</b>	<<1
<b>VOC (grams/liter):</b>	0	<b>Solubility in water:</b>	nil
<b>Percent volatile by volume:</b>	0	<b>pH (5% solution or slurry in water):</b>	n/d
<b>Percent solids by weight:</b>	100		

**10. STABILITY AND REACTIVITY**

This material is chemically stable. Hazardous polymerization will not occur.

**Conditions to avoid :**

Extreme heat

**Incompatible materials:**

Strong oxidizing agents. Strong bases at elevated temperatures. Strong acids. Materials reactive with hydroxyl compounds.

**Hazardous products of decomposition:**

Carbon monoxide, Carbon dioxide and oxides of silicone

**Conditions under which hazardous polymerization may occur:**

none

**11. TOXICOLOGICAL INFORMATION**

**Acute oral effects:** LD50 (rat): Not available.

**Acute dermal effects:** LD50 (rabbit): Not available.

**Acute inhalation effects:** LC50 (rat): Not available.

Exposure: 0 hours.

**Eye irritation:**

Not available.

**Subchronic effects:**

Not available.

**Carcinogenicity, teratogenicity, and mutagenicity:**

Not available.

**Other chronic effects:**

Not available.

**Toxicological information on hazardous chemical constituents of this product:**

Constituent	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 4hr, (rat)
Polyalkyleneoxide modified polydimethylsiloxane	n/d	n/d	n/d
Polypropylene glycol monobutyl ether	9100 mg/kg	21 g/kg	n/d
Polyether	5370 mg/kg	n/d	n/d

'n/d' = 'not determined'

**12 ECOLOGICAL INFORMATION****Ecotoxicity:**

Not available.

**Mobility and persistence:**

Not available.

**Environmental fate:**

Not available.

**13. DISPOSAL CONSIDERATIONS**

Please see also Section 15, Regulatory Information.

**Waste management recommendations:**

Dispose of in accordance with all local, state, and federal disposal regulations.

**14. TRANSPORT INFORMATION****Proper shipping name:** Non-regulated**Technical name :** N/A**Hazard class :** N/A**UN number:** N/A**Packing group:** N/A**Emergency Response Guide no.:** N/A**IMDG page number:** N/A**Other:****15. REGULATORY INFORMATION****U.S. Federal Regulations****TSCA**

All ingredients of this product are listed, or are exempt from listing, on the TSCA inventory.

**The following RCRA code(s) applies to this material if it becomes waste:**

None

**Regulatory status of hazardous chemical constituents of this product:**

Constituent	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	TSCA 12B Export Notification
Polyalkyleneoxide modified polydimethylsiloxane	No	No	0.0	Not required
Polypropylene glycol monobutyl ether	No	No	0.0	Not required

Constituent	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	TSCA 12B Export Notification
Polyether	No	No	0.0	Not required

\*Consult the appropriate regulations for emergency planning and release reporting requirements for substances on the SARA Section 301 Extremely Hazardous Substance list.

\*\*Substances for which the "Toxic Chemical" column is marked "Yes" are on the SARA Section 313 list of Toxic Chemicals, for which release reporting may be required. For specific requirements, consult the appropriate regulations.

**For purposes of SARA Section 312 hazardous materials inventory reporting, the following hazard classes apply to this material:** - Immediate health hazard -- Delayed health hazard -

**Canadian regulations**

**WHMIS hazard class(es):** D2B

**16. OTHER INFORMATION**

<b>Hazardous Materials Identification System (HMIS) ratings:</b>	<b>Health</b>	<b>Flammability</b>	<b>Reactivity</b>
	<b>1*</b>	<b>1</b>	<b>0</b>

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