



<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>REACTIVITY</b>	<b>0</b>

## MATERIAL SAFETY DATA SHEET

Prepared by Duro Dyne October 28, 2010

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Trade name:** DURO DYNE SELF FORMING GASKETING  
**Product Identifier:** QS85-QS3 QUAD SEAL  
**Supplier Details:** DURO DYNE CORPORATION  
81 Spence Street  
Bay Shore, NY 11706

#### **Information**

**Phone No:** 800-899-3876  
**Emergency Phone No:** 800-424-9300 (CHEMTREC)

### 2. PRODUCT COMPONENTS

COMPONENT	CAS#	WT%	EXPOSURE LIMITS
Dimethyl Siloxane, Hydroxyterminated	70131-67-8	>60.0	See acetic acid comments.
Silica, Amorphous	7631-86-9	7.0-13.0	Observe particulate limits. OSHA PEL: TWA 15mg/m <sup>3</sup> total dust, 5mg/m <sup>3</sup> respirable fraction. ACGIH TLV: TWA 100 mg/m <sup>3</sup> total dust.
Hydro treated middle petroleum distillates	64742-46-7	<=7.0	
Ethyltriacetoxysilane	17689-77-9	1.0-5.0	

### 3. PHYSICAL AND CHEMICAL PROPERTIES

**Physical Form:** Paste.  
**Color:** Not applicable.  
**Odor:** Acetic acid odor.  
**Specific Gravity @ 25c:** 1.04  
**Viscosity:** Not applicable.  
**Freezing/Melting Point:** Not determined.  
**Boiling Point:** Not applicable.  
**Vapor Pressure @ 25c:** Not applicable.  
**Vapor Density:** Not applicable.  
**Solubility in Water:** None.  
**PH:** Not applicable.  
**Volatile Content:** 31 grams per liter.

#### 4. FIRE AND EXPLOSION DATA

<b>Flash Point (Closed Cup):</b>	212°F/>100°C
<b>Auto ignition:</b>	Not determined.
<b>Flammability Limits in Air:</b>	Not determined.
<b>Extinguishing Media:</b>	Carbon Dioxide (CO <sub>2</sub> ), water, water fog or spray, dry chemical, foam.
<b>Unsuitable Extinguishing Media:</b>	None.

#### 5. FIRE FIGHTING MEASURES

<b>Fire Fighting Procedures:</b>	Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. If the fire is large, evacuate area.
<b>Unusual Fire Hazards:</b>	None.
<b>Other:</b>	Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Sulfur Oxides, carbon oxides and traces of incompletely burned carbon compounds, silicon dioxide, iodine compounds, formaldehyde. If container is an aerosol product, treat as compressed gas: extinguishing media- CO <sub>2</sub> , dry chemical, water fog.

#### 6. REACTIVITY DATA

<b>Stability:</b>	Stable.
<b>Incompatibility (Material to Avoid):</b>	Oxidizing material can cause a reaction. Air or moisture causes curing and acetic vapors to form.
<b>Conditions to Avoid:</b>	Exposure to air or moisture until ready to use.
<b>Hazardous Decomposition Products:</b>	Silicone dioxide, carbon dioxide, and traces of incompletely burned carbon product.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	Not applicable.
<b>Comments:</b>	None.

#### 7. HEALTH HAZARD DATA

<b>Acute signs/effects of overexposure:</b>	
<b>Ingestion:</b>	May cause gastric distress.
<b>Skin Contact:</b>	Uncured product contact will irritate lips, gums, tongue and skin.
<b>Inhalation:</b>	Causes mild respiratory irritation.
<b>Eye Contact:</b>	Uncured product contact irritates eyes.
<b>Medical Conditions Aggravated:</b>	None known.
<b>Other:</b>	Acetic acid released during curing.
<b>Chronic signs/effects of overexposure:</b>	None known.

## **8. EMERGENCY/FIRST AID PROCEDURES**

<b>Ingestion:</b>	No first aid should be needed.
<b>Skin:</b>	To clean from skin, remove completely with a dry cloth or paper towel before washing with detergent and water. Get medical attention if irritation develops.
<b>Inhalation:</b>	Remove to fresh air.
<b>Eyes:</b>	In case of contact, immediately flush with plenty of water for at least 15 minutes and get medical attention.
<b>Note to Physician:</b>	None known.

## **9. TOXICITY PRODUCT INFORMATION**

<b>Acute Oral:</b>	LD50>10,000 MG/KG
<b>Acute Dermal:</b>	LD50 None found MG/KG
<b>Acute Inhalation:</b>	LC50 None found.
<b>Other:</b>	None known.
<b>Ames Test:</b>	Unknown.
<b>Principal Routes of Exposure:</b>	Eyes, inhalation.
<b>Products/Ingredients:</b>	None known.

## **10. SPECIAL PROTECTIVE EQUIPMENT**

<b>Respiratory Protection:</b>	Use in a well ventilated area.
<b>Protective Gloves:</b>	Wear cloth gloves.
<b>Eye and Face Protection:</b>	Wear safety glasses.
<b>Other Protective Equipment:</b>	None known.
<b>Ventilation:</b>	Use only in well ventilated area.

## **11. SPILL/LEAK PROCEDURES**

<b>Spill/Leak Procedure:</b>	Wipe or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the special protective equipment section.
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## **12. DISPOSAL CONSIDERATIONS**

<b>Disposal Method:</b>	Disposal should be made in accordance with federal, state and local regulations.
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### **13. SPECIAL PRECAUTIONS**

**Handling and Storage:**

Avoid contact with skin and eyes. CAUTION! Wearers of contact lenses must not handle lenses until all sealant has been cleaned from fingertips; residual silicone will transfer to lenses and cause severe eye irritation.

Product releases acetic acid during application and curing.

Use mechanical ventilation to stay below TLV of 10 PPM acetic acid.

Uncured product contact irritates eyes.

Uncured product contact irritates skin.

Use in a well ventilated area to prevent irritation by vapors.

**Engineering Controls:**

Eyewash stations.

**VOC Content:**

31 grams per liter.

### **14. SHIPPING AND REGULATORY INFORMATION**

**DOT Shipping Name:**

None.

**DOT Hazard Class:**

None.

**DOT Label(s):**

None.

**EPA Hazard Class:**

Eye irritant.

**CPSC Classification:**

Eye irritant.

**Transportation Class:**

IMO None.

**RID (OCTI):**

None.

**ADR (ECE):**

None.

**RAR (IATA):**

None.

### **15. PRODUCT IDENTIFICATION**

**Product Identification:**

100% RTV Silicone.

**Chemical Name:**

Silicone Sealant.

**Chemical Family:**

Silicone Sealant.

**Formula:**

Mixture.

### **16. OTHER INFORMATION**

**Hazard Rating:**

Health: 1

Flammability: 1

Reactivity: 0

**Date MSDS Prepared:**

April 7,2010

**All material has a 1-year shelf life from the date stenciled on the product.**

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