



# CYCLO<sup>®</sup> INDUSTRIES, LLC

## MATERIAL SAFETY DATA SHEET

This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this product. Please read the information on these sheets and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL, STATE and COMMUNITY RIGHT TO KNOW regulations. Also, make this information available to any employee who requests it.

If Cyclo Industries, LLC considers the formula of this product to be a trade secret, the exact chemical names of the ingredient(s) and the percentages in which they are combined will not appear in the body of this sheet. The exact composition is available upon request to physicians, industrial hygienists and other health professionals.

### SECTION 1 – PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Cyclo<sup>®</sup> C-971 SuperPure<sup>™</sup> Professional RTV Silicone Instant Gasket Maker Black  
 Cyclo<sup>®</sup> C-972 SuperPure<sup>™</sup> Professional RTV Silicone Instant Gasket Maker Red  
 Cyclo<sup>®</sup> C-973 SuperPure<sup>™</sup> Professional RTV Silicone Instant Gasket Maker Clear  
 Cyclo<sup>®</sup> C-976 SuperPure<sup>™</sup> Professional RTV Silicone Instant Gasket Maker Blue

**Product Use:** Gasket replacement or coating gaskets for valve covers, water pumps, thermostat housings, etc.

**Manufactured by:** Cyclo Industries, LLC  
 10190 Riverside Drive, Palm Beach Gardens, Florida 33410-4881  
 Telephone: (561) 775-9600

**First Aid Emergency:** (800) 752-7869 or (312) 906-6194  
**Shipping Emergency:** (800) 424-9300 or (703) 527-3887 (CHEMTREC)

### SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

CAS Reg. No.	Material	Percentage	Exposure Limits
4253-34-3	Methyltriacetoxysilane	1 – 5	See acetic acid comment below.
17689-77-9	Ethyltriacetoxysilane	1 – 5	See acetic acid comment below.
7631-86-9	* Silica, amorphous	10 –30	TWA 80 mg/m <sup>3</sup> = OSHA PEL

\* Under normal conditions of use, no respirable silica particles should be released from this product. Acetic acid is formed on contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 10ppm and ACGIH TLV: TWA 10 ppm, STEL 15 ppm.

### SECTION 3 – HAZARDS IDENTIFICATION

**Effects of Overexposure:**

Ingestion: Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may cause digestive discomfort.

**SECTION 3 – HAZARDS IDENTIFICATION continued**

Inhalation: Vapor overexposure may irritate eyes, nose and throat.  
Skin Contact: A single short exposure (less than 24 hours) may irritate. Repeated prolonged contact (24 to 48 hours) may irritate moderately.  
Eye Contact: Direct contact irritates moderately with redness and swelling.

**Acute Signs/Effects of Overexposure**

Ingestion: May cause gastric distress.  
Skin Contact: Uncured product contact will irritate lips, gums, tongue and skin.  
Inhalation: Causes mild respiratory irritation  
Eye Contact: Uncured product contact irritates eyes.

**Chronic Effects of Overexposure:** None known

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product.

**Carcinogenicity:** NTP Carcinogen = No; IARC Monographs = No; OSHA Regulated = No

**Medical Conditions Generally Aggravated by Exposure:** None known.

**Comments:** When heated to temperatures above 302°F / 150°C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer and an irritant to the eyes, nose, throat, skin and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible Exposure Limit for formaldehyde.

**SECTION 4 – FIRST AID MEASURES**

**First Aid Procedures:**

Ingestion: No first aid should be needed.  
Skin Contact: Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.  
Inhalation: Remove to fresh air.  
Eye Contact: Immediately flush with water for 15 minutes. Get medical attention.

**SECTION 5 – FIRE FIGHTING MEASURES**

**Flash Point:** Not applicable – solid                      **Autoignition Temperature:** Not determined

**Flammable Limits in Air by Volume:** Lower Explosion Level (LEL) = Not determined  
Upper Explosion Level (UEL) = Not determined

**Extinguishing Media:** Carbon dioxide, water, water fog or spray, dry chemical, foam

**SECTION 5 – FIRE FIGHTING MEASURES continued**

**Special Fire Fighting Procedures:** Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. If large amount is involved, evacuate area.

**Unusual Fire and Explosion Hazards:** None

**HMIS Code:** Health = 1 Flammability = 0 Reactivity = 1

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Spill/Leak Procedures:** 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 protective equipment section.

**SECTION 7 – HANDLING AND STORAGE**

**Handling Procedures:** 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. See product label for additional information. KEEP OUT OF THE REACH OF CHILDREN.

**Storage Procedures:** Keep container closed and store away from water or moisture.

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Respiratory Protection:** Use respiratory protection organic vapor / dust/ mist type unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.

**Ventilation:** Local Exhaust Rate: Recommended  
Mechanical (General): Recommended

**Protective Gloves:** No special precautions needed.

**Eye Protection:** Safety glasses

**Work/Hygienic Practices:** Eye washes and safety showers in the workplace are recommended.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Boiling Point (@ 760 mm Hg):** Not applicable      **Specific Gravity (@ 77°F / 25°C):** 1.03

**Vapor Pressure (@ 77°F / 25°C):** Not applicable      **Vapor Density:** Not applicable

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES continued**

**Solubility in Water:** None

**pH:** Not applicable

**Percent Volatile By Volume (%):** Not applicable

**Evaporation Rate (Butyl Acetate = 1):** Not available

**Appearance and Odor:** Paste with acetic acid odor

**Volatile Organic Compound (VOC):** 0.30 lbs. / gal.

**SECTION 10 – STABILITY AND REACTIVITY**

**Stability:** Stable

**Conditions to Avoid:** None

**Incompatibility (materials to avoid):** Oxidizing material can cause a reaction.

**Hazardous Decomposition or Byproducts:** Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: silicon dioxide, carbon oxides and traces of incompletely burned carbon compounds, formaldehyde.

**Hazardous Polymerization:** Will not occur.

**Comments:** Water, moisture or humid air can cause hazardous vapors to form.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

Long-term toxicological studies have not been conducted for this product. See Section 3 of this MSDS for acute symptoms of overexposure and carcinogenicity information.

**SECTION 12 – ECOLOGICAL INFORMATION**

**Aquatic/Terrestrial Toxicity Environmental Fate:** No data is available at this time.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Dispose of in accordance with local, state and federal regulations. Before attempting clean up, refer to other sections of this MSDS for hazard caution information.

## SECTION 14 – TRANSPORT INFORMATION

## U.S. DOT

<b>Shipping Description:</b>	Aerosols, Consumer Commodity ORM-D
<b>ID Number:</b>	Not applicable
<b>Hazard Class:</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>Label:</b>	Not applicable
<b>Placards:</b>	Not applicable

## IMDG

<b>Shipping Description:</b>	Aerosols, Limited Quantity
<b>ID Number:</b>	UN 1950
<b>Hazard Class:</b>	2
<b>Packing Group:</b>	Not required
<b>Label:</b>	Not required
<b>Markings:</b>	Not required
<b>Placards:</b>	Not required

## SECTION 15 – REGULATORY INFORMATION

**TSCA Inventory:** All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory of chemical substances maintained by the U.S. Environmental Protection Agency.

**SARA Extremely Hazardous Substances** None

**SARA Section 313** This product contains the following toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (SARA 313 – Toxic Chemical Release Reporting)

<u>Chemical Name</u>	<u>CAS#</u>	<u>Weight %</u>
None		

**CERCLA/Superfund (RQ):** This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**California Proposition 65:** This product does not contain chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

## SECTION 16 – OTHER INFORMATION

**Document Date:** 8/28/03

**Supersedes:** 4/17/02

**Revisions:** Added Sections 11, 12 and 15

Cyclo Industries, LLC provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose. Cyclo Industries, LLC makes no representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose with respect to the information set forth herein or to the product to which the information refers. Accordingly, Cyclo Industries, LLC will not be responsible for damages resulting from use of or reliance upon this information.