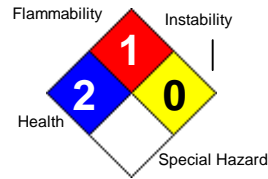




MATERIAL SAFETY DATA SHEET

Aluminum Silicone Instant Gasket

CYCLO INDUSTRIES, INC.
902 SOUTH US HIGHWAY 1
JUPITER, FL 33477



Revision: 01/30/2012
Supersedes Revision: 09/29/2010
Date Created: 09/29/2010

1. Product and Company Identification

Product Code: C-950

Product Name: Aluminum Silicone Instant Gasket

Manufacturer Information

Company Name: CYCLO INDUSTRIES, INC.

Phone Number: (800)843-7813

Fax Number: (561)745-3867

Emergency Contact: First Aid Emergency (800)222-1222

Alternate Emergency Contact: Chemtrec (703) 527-3887 (800)424-9300

Information: First Aid Emergency (Outside U.S.) (312)906-6194

Web site address: www.cyclo.com

Email address: ehs@cyclo.com

2. Hazards Identification

Emergency Overview

WARNING: Eye & skin irritant.

Potential Health Effects (Acute and Chronic)

Eyes: Direct contact may cause moderate irritation.

Skin: May cause moderate irritation.

Inhalation: Material is not likely to present an inhalation hazard at ambient conditions. However, if material is heated or high vapor/aerosol concentrations are attained, central nervous system depression may occur, which is characterized by drowsiness, dizziness, confusion or loss of coordination.

Oral: Low ingestion hazard in normal use.

Signs and Symptoms Of Exposure

No data available.

Medical Conditions Generally Aggravated By Exposure

No data available.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Ethyltriacetoxysilane	17689-77-9	1.0 -5.0 %
2. Methyltriacetoxysilane	4253-34-3	1.0 -5.0 %

4. First Aid Measures

Emergency and First Aid Procedures

Oral: No first aid should be needed. Inhalation: Material is not likely to present an inhalation hazard at ambient conditions. If material is heated or vapor/mist/dust/fumes are generated, care should be taken to prevent inhalation. In case of exposure to vapor/mist/dust/fumes, move to fresh air. In case of eye contact, immediately flush with water for 15 minutes. In case of skin contact, remove from skin and wash thoroughly with soap and water or waterless cleanser. Call physician immediately if adverse reaction occurs.



5. Fire Fighting Measures

Flash Pt: > 212.00 F (100.0 C) Method Used: Closed Cup
Explosive Limits: LEL: No data. UEL: No data.
Autoignition Pt: No data available.

Fire Fighting Instructions

Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

Flammable Properties and Hazards

No data available.

Hazardous Combustion Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicone Dioxide. Formaldehyde.

Suitable Extinguishing Media

On large fires use dry chemical, foam or water spray. On small fires use CO₂, dry chemical or water spray. Water can be used to cool fire exposed containers.

Unsuitable Extinguishing Media

No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Observe all personal protection equipment recommendations described in Sections 5 and 8. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases.

7. Handling and Storage

Precautions To Be Taken in Handling

Use with adequate ventilation. Product evolves acetic acid (HOAc) when exposed to water or humid air. Provide ventilation during use to control HOAc within exposure guidelines or use respiratory protection. Avoid eye contact. Avoid skin contact. Do not take internally. Avoid breathing vapor. Keep container closed. Keep out of the reach of children.

Precautions To Be Taken in Storing

Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits
1. Ethyltriacetoxysilane	17689-77-9	No data.	No data.	No data.
2. Methyltriacetoxysilane	4253-34-3	No data.	No data.	No data.

Respiratory Equipment (Specify Type)

Respiratory protection is not needed under ambient conditions. If vapor/mist/dust/fumes are generated when material is heated or handled, the following is advised. General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29CFR 1910.134) and use NIOSH/MSHA approved respirators.



Eye Protection

Safety glasses at a minimum.

Protective Gloves

Nitrile, rubber, butyl rubber.

Other Protective Clothing

No data available.

Engineering Controls (Ventilation etc.)

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.

Work/Hygienic/Maintenance Practices

No data available.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [X] Solid

Melting Point: No data.

Boiling Point: No data.

Autoignition Pt: No data.

Flash Pt: > 212.00 F (100.0 C) Method Used: Closed Cup

Specific Gravity (Water = 1): 1.007 at 25.0 C (77.0 F)

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Evaporation Rate (vs Butyl Acetate=1): No data.

Solubility in Water: No data.

Percent Volatile: No data.

Appearance and Odor

Aluminum - grey paste with acetic acid odor.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

No data available.

Incompatibility - Materials To Avoid

Oxidizing material can cause a reaction. Water, moisture or humid air can cause hazardous vapors to form.

Hazardous Decomposition Or Byproducts

No data available.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions

No data available.

11. Toxicological Information

No data available.

Chronic Toxicological Effects

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Ethyltriacetoxysilane	17689-77-9	n.a.	n.a.	n.a.	n.a.



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Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
2. Methyltriacetoxysilane	4253-34-3	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

No data available.

13. Disposal Considerations

Waste Disposal Method

Disposal should be made in accordance with federal, state and local regulations.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name Not-Restricted

MARINE TRANSPORT (IMDG/IMO)

IMDG/IMO Shipping Name Not-Restricted

Additional Transport Information

No data available.

15. Regulatory Information

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Ethyltriacetoxysilane	17689-77-9	No	No	No	No
2. Methyltriacetoxysilane	4253-34-3	No	No	No	No

Other US EPA or State Lists

Hazardous Components (Chemical Name)	CAS #	CAA HAP,ODC	CWA NPDES	TSCA	CA PROP.65
1. Ethyltriacetoxysilane	17689-77-9	No	No	Inventory	No
2. Methyltriacetoxysilane	4253-34-3	No	No	Inventory	No

Hazardous Components (Chemical Name)	CAS #	CA TAC, Title 8	MA Oil/HazMat	MI CMR, Part 5	NC TAP
1. Ethyltriacetoxysilane	17689-77-9	No	No	No	No
2. Methyltriacetoxysilane	4253-34-3	No	No	No	No

Hazardous Components (Chemical Name)	CAS #	NJ EHS	NY Part 597	PA HSL	SC TAP
1. Ethyltriacetoxysilane	17689-77-9	No	No	No	No
2. Methyltriacetoxysilane	4253-34-3	No	No	No	No

Hazardous Components (Chemical Name)	CAS #	WI Air
1. Ethyltriacetoxysilane	17689-77-9	No
2. Methyltriacetoxysilane	4253-34-3	No

International Regulatory Lists

Hazardous Components (Chemical Name)	CAS #	Canadian DSL	Canadian NDSL	Taiwan TCSCA
1. Ethyltriacetoxysilane	17689-77-9	Yes	No	No
2. Methyltriacetoxysilane	4253-34-3	Yes	No	No

SARA (Superfund Amendments and Reauthorization Act of 1986) Lists:

- Sec.302:** EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. * indicates 10000 LB TPQ if not volatile.
- Sec.304:** EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. ** indicates statutory RQ.
- Sec.313:** EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.
- Sec.110:** EPA SARA 110 Superfund Site Priority Contaminant List



TSCA (Toxic Substances Control Act) Lists:

Inventory:	Chemical Listed in the TSCA Inventory.
5A(2):	Chemical Subject to Significant New Rules (SNURS)
6A:	Commercial Chemical Control Rules
8A:	Toxic Substances Subject To Information Rules on Production
8A CAIR:	Comprehensive Assessment Information Rules - (CAIR)
8A PAIR:	Preliminary Assessment Information Rules - (PAIR)
8C:	Records of Allegations of Significant Adverse Reactions
8D:	Health and Safety Data Reporting Rules
8D TERM:	Health and Safety Data Reporting Rule Terminations
12(b):	Notice of Export

Other Important Lists:

CWA NPDES:	EPA Clean Water Act NPDES Permit Chemical
CAA HAP:	EPA Clean Air Act Hazardous Air Pollutant
CAA ODC:	EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)
CA PROP 65:	California Proposition 65
CA TAC:	California AB 1807 - Toxic Air Contaminants
CA Title 8:	California Hazardous Substances List: Title 8, Sec. 339
MI CMR:	Michigan Critical Materials Register
MI Part 5:	Michigan DEQ WRP Part 5 Pollutants List
NC TAP:	North Carolina Toxic Air Pollutants
NJ EHS:	New Jersey Environmental Hazardous Substances List
NY Part 597:	New York Part 597 List of Hazardous Substances
PA HSL:	Pennsylvania Hazardous Substances List
SC TAP:	South Carolina Toxic Air Pollutants
WI Air:	Wisconsin Reportable Air Contaminants

International Regulatory Lists:

Canadian DSL:	Canada Domestic Substances List
Canadian NDSL:	Canada Non-Domestic Substances List
Taiwan TCSCA:	Taiwan Toxic Chemical Substances Control Act of 1986

16. Other Information

Company Policy or Disclaimer

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