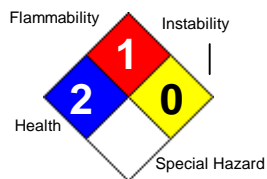




# MATERIAL SAFETY DATA SHEET

## Grey-Ox Silicone

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-959,C-999

**Product Name:** Grey-Ox Silicone

**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 mild irritation.

Skin: May cause moderate irritation.

Inhalation: Irritates respiratory passages very slightly. Vapor overexposure may cause drowsiness.

Oral: Low ingestion hazard in normal use.

Prolonged/Repeated Exposure Effects

Skin: Repeated skin contact may cause allergic skin reaction.

Inhalation: Overexposure by inhalation may injure the following organ(s):Blood. Liver

Oral: Repeated ingestion or swallowing large amounts may injure internally.

#### 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. Hydrotreated Distillate	64742-46-7	<=8.6 %



Hazardous Components (Chemical Name)	CAS #	Concentration
2. 2-Butanone, O,O',O''-(methylsilylydyne)trioxime	22984-54-9	<=2.8 %
3. 2-Butanone, Oxime	96-29-7	1.0 -5.0 %
4. Cobalt aluminate blue spinel	1345-16-0	<=0.9 %

## 4. First Aid Measures

### Emergency and First Aid Procedures

If swallowed, get medical attention. If inhaled, remove 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

<b>Flash Pt:</b>	NE	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Autoignition Pt:</b>	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 decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Metal oxides. Formaldehyde. Silicone dioxide. Nitrogen oxides. Quartz. Sulfur oxides. Hydrogen chloride.

### Suitable Extinguishing Media

On large fires use dry chemical, foam or water spray. On small fires use CO<sub>2</sub>, 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 methyl ethyl ketoxime(MEKO) when exposed to water or humid air. Provide ventilation during use to control methyl ethyl ketoxime(MEKO) within exposure guidelines or use respiratory protection. Traces of benzene (carcinogen) may form if heated in air above 300 F(149 C). Provide ventilation to control vapor exposure within inhalation guidelines when handling at elevated temperatures. Review the OSHA benzene regulation for detailed information on safe handling requirements. Avoid eye contact. Avoid skin contact. Avoid breathing vapor, mist, dust, or fumes. Keep container closed. Do not take internally. 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. Hydrotreated Distillate	64742-46-7	No data.	No data.	No data.
2. 2-Butanone, O,O',O''-(methylsilylydyne)trioxime	22984-54-9	No data.	No data.	No data.
3. 2-Butanone, Oxime	96-29-7	No data.	No data.	No data.
4. Cobalt aluminate blue spinel	1345-16-0	No data.	No data.	No data.

**Respiratory Equipment (Specify Type)**

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, butylrubber, natural 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/Hygenic/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:** NE

**Specific Gravity (Water = 1):** 1.38 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:** 2.9 % by weight.

**Appearance and Odor**

Grey paste with some 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**

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Metal oxides. Formaldehyde. Silicone dioxide. Nitrogen oxides. Quartz. Sulfur oxides. Hydrogen chloride.

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

**Conditions To Avoid - Hazardous Reactions**

No data available.

**11. Toxicological Information**

Methyl Ethyl Ketoxime(MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver cancer. Additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable. Contains Methyl Ethyl Ketoxime(MEKO). Male rodents exposed to MEKO vapor throughout their lifetime developed liver cancer. Additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable.

**Chronic Toxicological Effects**

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Hydrotreated Distillate	64742-46-7	n.a.	n.a.	n.a.	n.a.
2. 2-Butanone, O,O',O''-(methylsilylidyne)trioxime	22984-54-9	n.a.	n.a.	n.a.	n.a.
3. 2-Butanone, Oxime	96-29-7	n.a.	n.a.	n.a.	n.a.
4. Cobalt aluminate blue spinel	1345-16-0	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. Hydrotreated Distillate	64742-46-7	No	No	No	No
2. 2-Butanone, O,O',O''-(methylsilylidyne)trioxime	22984-54-9	No	No	No	No
3. 2-Butanone, Oxime	96-29-7	No	No	No	No
4. Cobalt aluminate blue spinel	1345-16-0	No	No	Yes-Cat. N096	Yes

**Other US EPA or State Lists**



# MATERIAL SAFETY DATA SHEET

## Grey-Ox Silicone

Hazardous Components (Chemical Name)	CAS #	CAA HAP, ODC	CWA NPDES	TSCA	CA PROP.65
1. Hydrotreated Distillate	64742-46-7	No	No	Inventory	No
2. 2-Butanone, O,O',O''-(methylsilylidyne)trioxime	22984-54-9	No	No	Inventory	No
3. 2-Butanone, Oxime	96-29-7	No	No	Inventory, 8D TERM	No
4. Cobalt aluminate blue spinel	1345-16-0	No	No	Inventory	No

Hazardous Components (Chemical Name)	CAS #	CA TAC, Title 8	MA Oil/HazMat	MI CMR, Part 5	NC TAP
1. Hydrotreated Distillate	64742-46-7	No	No	No	No
2. 2-Butanone, O,O',O''-(methylsilylidyne)trioxime	22984-54-9	No	No	No	No
3. 2-Butanone, Oxime	96-29-7	No	No	No	No
4. Cobalt aluminate blue spinel	1345-16-0	No	No	No	No

Hazardous Components (Chemical Name)	CAS #	NJ EHS	NY Part 597	PA HSL	SC TAP
1. Hydrotreated Distillate	64742-46-7	No	No	No	No
2. 2-Butanone, O,O',O''-(methylsilylidyne)trioxime	22984-54-9	No	No	No	No
3. 2-Butanone, Oxime	96-29-7	No	No	No	No
4. Cobalt aluminate blue spinel	1345-16-0	No	No	No	No

Hazardous Components (Chemical Name)	CAS #	WI Air
1. Hydrotreated Distillate	64742-46-7	No
2. 2-Butanone, O,O',O''-(methylsilylidyne)trioxime	22984-54-9	No
3. 2-Butanone, Oxime	96-29-7	No
4. Cobalt aluminate blue spinel	1345-16-0	No

### International Regulatory Lists

Hazardous Components (Chemical Name)	CAS #	Canadian DSL	Canadian NDSL	Taiwan TCSCA
1. Hydrotreated Distillate	64742-46-7	Yes	No	No
2. 2-Butanone, O,O',O''-(methylsilylidyne)trioxime	22984-54-9	Yes	No	No
3. 2-Butanone, Oxime	96-29-7	Yes	No	No
4. Cobalt aluminate blue spinel	1345-16-0	Yes	No	No

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

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

### TSCA (Toxic Substances Control Act) Lists:

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



# MATERIAL SAFETY DATA SHEET

## Grey-Ox Silicone

Page: 6

Revision: 01/30/2012

Supercedes Revision: 09/29/2010

### Other Important Lists:

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

### International Regulatory Lists:

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

## 16. Other Information

### Company Policy or Disclaimer

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