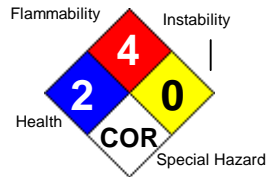




# MATERIAL SAFETY DATA SHEET

## Surface Activator

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



Revision: 01/30/2012  
Supersedes Revision: 02/23/2010  
Date Created: 02/23/2010

### 1. Product and Company Identification

**Product Code:** C-930  
**Product Name:** Surface Activator  
**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

DANGER: Extremely flammable. Eye & skin irritant.

#### Potential Health Effects (Acute and Chronic)

No data available.

#### Signs and Symptoms Of Exposure

No data available.

#### Medical Conditions Generally Aggravated By Exposure

Existing dermatitis may be aggravated with contact.

### 3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Heptane	142-82-5	65.0 -70.0 %
2. Acetone	67-64-1	25.0 -30.0 %
3. Naphthenic acids, Copper salts	1338-02-9	< 2.0 %

### 4. First Aid Measures

#### Emergency and First Aid Procedures

If swallowed, do not induce vomiting. Keep individual calm. If inhaled, remove to fresh air. Give oxygen or artificial respiration if needed. In case of eye contact, flush with plenty of water for at least 15 minutes. In case of skin contact, flush with large amounts of water and wash with soap. Call physician immediately if adverse reaction occurs.

#### Note to Physician

Use of epinephrine is contra-indicated.

### 5. Fire Fighting Measures

**Flash Pt:** < 30.00 F (-1.1 C) Method Used: TAG Closed Cup  
**Explosive Limits:** LEL: 1.1% UEL: 7%  
**Autoignition Pt:** No data available.



### Fire Fighting Instructions

Fire fighters should use self-contained breathing apparatus and wear protective clothing. Use light water spray to cool fire-exposed containers and structures.

### Flammable Properties and Hazards

Direct water jet will spread burning material. Combustion products will yield toxic and highly irritating vapors. Vapors from this material may settle in low or confined areas or travel a long distance to an ignition source and flash back explosively. Cool sealed drums with light water spray to lessen chance of rupture.

### Hazardous Combustion Products

No data available.

### Suitable Extinguishing Media

Carbon dioxide, foam and dry chemical.

### Unsuitable Extinguishing Media

No data available.

## 6. Accidental Release Measures

### Steps To Be Taken In Case Material Is Released Or Spilled

No data available.

## 7. Handling and Storage

### Precautions To Be Taken in Handling

Avoid contact with eyes. Keep away from all sources of ignition. Keep out of the reach of children.

### Precautions To Be Taken in Storing

Store in a cool, dry, well ventilated place.

## 8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TWA	Other Limits
1. Heptane	142-82-5	PEL: 500 ppm	TLV: 400 ppm	No data.
2. Acetone	67-64-1	PEL: 1000 ppm	TLV: 500 ppm STEL: 750 ppm	No data.
3. Naphthenic acids, Copper salts	1338-02-9	No data.	No data.	No data.

### Respiratory Equipment (Specify Type)

Above time weighted average, use a NIOSH approved respirator.

### Eye Protection

Wear splash proof goggles.

### Protective Gloves

Plastic or rubber gloves.

### Other Protective Clothing

No data available.

### Engineering Controls (Ventilation etc.)

No data available.

### Work/Hygienic/Maintenance Practices

No data available.

## 9. Physical and Chemical Properties

<b>Physical States:</b>	<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Solid
<b>Melting Point:</b>	No data.		
<b>Boiling Point:</b>	208.00 F (97.8 C)		
<b>Autoignition Pt:</b>	No data.		



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<b>Flash Pt:</b>	< 30.00 F (-1.1 C)	Method Used:	TAG Closed Cup
<b>Explosive Limits:</b>	LEL: 1.1%	UEL:	7%
<b>Specific Gravity (Water = 1):</b>	> .68@77F		
<b>Vapor Pressure (vs. Air or mm Hg):</b>	40mmHg@77F		
<b>Vapor Density (vs. Air = 1):</b>	3.5		
<b>Evaporation Rate (vs Butyl Acetate=1):</b>	~ 4.5		
<b>Solubility in Water:</b>	Insoluble		
<b>Percent Volatile:</b>	0.0 % by weight.		

### Appearance and Odor

Green liquid with a solvent-like odor.

## 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]

### Conditions To Avoid - Instability

All sources of ignition.

### Incompatibility - Materials To Avoid

Strong oxidizing agents, acids, bases and reducing agents.

### Hazardous Decomposition Or Byproducts

Carbon monoxide and carbon dioxide.

**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. Heptane	142-82-5	n.a.	n.a.	n.a.	n.a.
2. Acetone	67-64-1	n.a.	n.a.	A4	n.a.
3. Naphthenic acids, Copper salts	1338-02-9	n.a.	n.a.	n.a.	n.a.

## 12. Ecological Information

No data available.

## 13. Disposal Considerations

### Waste Disposal Method

No data available.

## 14. Transport Information

### LAND TRANSPORT (US DOT)

**DOT Proper Shipping Name** Consumer Commodity

**DOT Hazard Class:** ORM-D

**DOT Hazard Label:** ORM-D

### MARINE TRANSPORT (IMDG/IMO)

**IMDG/IMO Shipping Name** Flammable Liquid, n.o.s. (Heptane and Acetone), Ltd. Qty.



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**UN Number:** 1993  
**Hazard Class:** N.A.  
**Packing Group:** II  
**IMDG Classification:** 3

### 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. Heptane	142-82-5	No	No	No	No
2. Acetone	67-64-1	No	Yes 5000 LB	No	Yes
3. Naphthenic acids, Copper salts	1338-02-9	No	No	Yes-Cat. N100	No

### Other US EPA or State Lists

Hazardous Components (Chemical Name)	CAS #	CAA HAP,ODC	CWA NPDES	TSCA	CA PROP.65
1. Heptane	142-82-5	No	No	Inventory, 8A PAIR	No
2. Acetone	67-64-1	No	No	Inventory	No
3. Naphthenic acids, Copper salts	1338-02-9	No	No	Inventory	No

Hazardous Components (Chemical Name)	CAS #	CA TAC, Title 8	MA Oil/HazMat	MI CMR, Part 5	NC TAP
1. Heptane	142-82-5	Title 8	Yes	No	No
2. Acetone	67-64-1	Title 8	Yes	Part 5	No
3. Naphthenic acids, Copper salts	1338-02-9	No	No	No	No

Hazardous Components (Chemical Name)	CAS #	NJ EHS	NY Part 597	PA HSL	SC TAP
1. Heptane	142-82-5	Yes - 1339	No	Yes - 1	No
2. Acetone	67-64-1	Yes - 0006	Yes	Yes - E	No
3. Naphthenic acids, Copper salts	1338-02-9	No	No	No	No

Hazardous Components (Chemical Name)	CAS #	WI Air
1. Heptane	142-82-5	No
2. Acetone	67-64-1	Yes
3. Naphthenic acids, Copper salts	1338-02-9	No

### International Regulatory Lists

Hazardous Components (Chemical Name)	CAS #	Canadian DSL	Canadian NDSL	Taiwan TCSCA
1. Heptane	142-82-5	Yes	No	No
2. Acetone	67-64-1	Yes	No	No
3. Naphthenic acids, Copper salts	1338-02-9	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)



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<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

### 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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