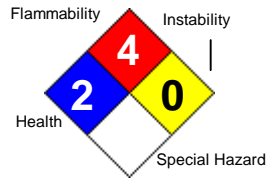




MATERIAL SAFETY DATA SHEET

Low Odor Brake & Parts Clean, 55 Gallon Drum

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



Revision: 01/27/2012
Supersedes Revision: 04/27/2010
Date Created: 04/27/2010

1. Product and Company Identification

Product Code: C-115
Product Name: Low Odor Brake & Parts Clean, 55 Gallon Drum
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

Extremely Flammable. Vapor may cause flash fire. Harmful or fatal if swallowed. Vapor harmful. 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

No data available.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Acetone	67-64-1	50.0 -60.0 %
2. Heptane	142-82-5	30.0 -40.0 %
3. Isopropyl alcohol	67-63-0	5.0 -12.0 %
4. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	< 2.0 %

4. First Aid Measures

Emergency and First Aid Procedures

If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim quiet and warm. In case of eye contact, remove contact lenses if worn. Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting the upper and lower lids. In case of skin contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes and launder before reuse. Call physician immediately if adverse reaction occurs.



5. Fire Fighting Measures

Flash Pt: -4.00 F (-20.0 C) Method Used: Closed Cup

Explosive Limits: LEL: 1.2 UEL: 7.1

Autoignition Pt: 725.00 F (385.0 C)

Fire Fighting Instructions

Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Vapor may cause flash fire.

Flammable Properties and Hazards

No data available.

Hazardous Combustion Products

Carbon Dioxide. Carbon Monoxide. Formaldehyde. Formic Acid.

Suitable Extinguishing Media

Alcohol foam, carbon dioxide, dry chemical, water. Use water spray to keep containers cool that are exposed to heat or flames.

Unsuitable Extinguishing Media

No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Wear appropriate protective clothing and equipment to prevent skin and eye contact. Contain any liquid from leaking containers. Avoid all sources of ignition. Leaking containers should be removed to an isolated, well-ventilated area and transferred to other suitable containers. Do not puncture or incinerate container. Wipe, scrape or soak up in an inert material and put in a container intended for flammable materials for disposal. Do not allow to enter sanitary drains, sewer or surface and subsurface waters. Keep out of lakes, ponds or streams.

7. Handling and Storage

Precautions To Be Taken in Handling

Avoid breathing vapors. If exposed to high vapor concentration, leave area at once. Avoid contact with skin and eyes. Use only in a well-ventilated area. Keep away from heat and open flame. Ground and bond containers when transferring material. Danger: Extremely Flammable. Keep out of the reach of children.

Precautions To Be Taken in Storing

Keep away from heat, sparks and flame.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TWA	Other Limits
1. Acetone	67-64-1	PEL: 1000 ppm	TLV: 500 ppm STEL: 750 ppm	No data.
2. Heptane	142-82-5	PEL: 500 ppm	TLV: 400 ppm	No data.
3. Isopropyl alcohol	67-63-0	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.
4. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	No data.	No data.	No data.

Respiratory Equipment (Specify Type)

Use in a well-ventilated area. Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure. Do not breathe mist or vapor.

Eye Protection

Use chemical splash goggles and face shield.

Protective Gloves

Wear impervious gloves to prevent contact with skin.



Other Protective Clothing

Avoid skin contact. Wear protective clothing.

Engineering Controls (Ventilation etc.)

Local exhaust ventilation as necessary to maintain exposure levels to within applicable limits. Use explosion proof equipment. Showers. Eyewash stations. Use in well-ventilated area.

Work/Hygienic/Maintenance Practices

No data available.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid
Melting Point: < -110.00 F (-78.9 C)
Boiling Point: 133.00 F (56.1 C)
Autoignition Pt: 725.00 F (385.0 C)
Flash Pt: -4.00 F (-20.0 C) Method Used: Closed Cup
Explosive Limits: LEL: 1.2 UEL: 7.1
Specific Gravity (Water = 1): .86
Vapor Pressure (vs. Air or mm Hg): No data.
Vapor Density (vs. Air = 1): ~ 2
Evaporation Rate (vs Butyl Acetate=1): No data.
Solubility in Water: Partial
Percent Volatile: 45.0 % by weight.
Appearance and Odor
Clear liquid.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

Keep away from heat, sparks and flame. Avoid any source of ignition. Do not expose to heat or store at temperatures above 120 F.

Incompatibility - Materials To Avoid

Nitric Acid. Iodine. Chlorine compounds. Alkalies. Potassium t-butoxide. Strong oxidizers. Certain reactive metals, hydrides, moist cesium monoxide or lithium acetylene carbide diamino may ignite. Phosphorous Trioxide. Chromic Anhydride. Lead Perchlorate. Perchloric Acid and Ethyl Alcohol. Mercuric Oxide and a mixture of sodium peroxide and aluminum or magnesium may explode.

Hazardous Decomposition Or Byproducts

Carbon Monoxide. Carbon Dioxide. Formaldehyde. Formic Acid.

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. Acetone	67-64-1	n.a.	n.a.	A4	n.a.



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2. Heptane	142-82-5	n.a.	n.a.	n.a.	n.a.
3. Isopropyl alcohol	67-63-0	n.a.	n.a.	A4	n.a.
4. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	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	Flammable liquid, n.o.s. (Acetone, Heptane)
DOT Hazard Class:	3
DOT Hazard Label:	FLAMMABLE LIQUID
UN/NA Number:	1993
Packing Group:	II

MARINE TRANSPORT (IMDG/IMO)

IMDG/IMO Shipping Name	Flammable Liquid, n.o.s. (Acetone, Heptane)
UN Number:	1993
Hazard Class:	3 - FLAMMABLE LIQUID
Packing Group:	II
IMDG Classification:	3
Marine Pollutant:	No

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. Acetone	67-64-1	No	Yes 5000 LB	No	Yes
2. Heptane	142-82-5	No	No	No	No
3. Isopropyl alcohol	67-63-0	No	No	Yes	No
4. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	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. Acetone	67-64-1	No	No	Inventory	No
2. Heptane	142-82-5	No	No	Inventory, 8A PAIR	No
3. Isopropyl alcohol	67-63-0	No	No	Inventory	No
4. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	No	No	Inventory	No

Hazardous Components (Chemical Name)	CAS #	CA TAC, Title 8	MA Oil/HazMat	MI CMR, Part 5	NC TAP
1. Acetone	67-64-1	Title 8	Yes	Part 5	No
2. Heptane	142-82-5	Title 8	Yes	No	No
3. Isopropyl alcohol	67-63-0	TAC, Title 8	No	No	No
4. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	No	No	No	No

Hazardous Components (Chemical Name)	CAS #	NJ EHS	NY Part 597	PA HSL	SC TAP
1. Acetone	67-64-1	Yes - 0006	Yes	Yes - E	No



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Hazardous Components (Chemical Name)	CAS #	NJ EHS	NY Part 597	PA HSL	SC TAP
2. Heptane	142-82-5	Yes - 1339	No	Yes - 1	No
3. Isopropyl alcohol	67-63-0	Yes - 1076	No	Yes - E	No
4. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	No	No	No	No

Hazardous Components (Chemical Name)	CAS #	WI Air
1. Acetone	67-64-1	Yes
2. Heptane	142-82-5	No
3. Isopropyl alcohol	67-63-0	No
4. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	No

International Regulatory Lists

Hazardous Components (Chemical Name)	CAS #	Canadian DSL	Canadian NDSL	Taiwan TCSCA
1. Acetone	67-64-1	Yes	No	No
2. Heptane	142-82-5	Yes	No	No
3. Isopropyl alcohol	67-63-0	Yes	No	No
4. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	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



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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

Not for sale in CA.

Company Policy or Disclaimer

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