



MATERIAL SAFETY DATA SHEET

Hand Cleaner

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

HEALTH		1
FLAMMABILITY		0
REACTIVITY		0
PPE		

Revision: 01/27/2012
Supersedes Revision: 04/16/2010
Date Created: 04/16/2010

1. Product and Company Identification

Product Code: C-178, C-179
Product Name: Hand Cleaner
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

May cause eye irritation.

Potential Health Effects (Acute and Chronic)

Eye Contact: May cause moderate to severe eye irritation.

Skin Contact: Non-irritating under normal usage. Persons sensitized to d-limonene may have a reaction when exposed to this product.

Inhalation: Not applicable.

Ingestion: Not a normal route of entry. May cause upset stomach and nausea.

Carcinogenicity: Not listed as carcinogen by NTP, IARC, OSHA or ACGIH.

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. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	5.0 -10.0 %
2. Nonionic surfactant belco 01601 glass cleaner..	34398-01-1	2.0 -10.0 %

4. First Aid Measures

Emergency and First Aid Procedures

If swallowed, drink water to dilute. Do not induce vomiting. In case of eye contact, flush eyes with water for 15 minutes, lifting lids occasionally. Do not rub. Non-irritating to skin under normal usage. Wash off with water or wipe off with a towel. Call physician immediately if adverse reaction occurs.



5. Fire Fighting Measures

Flash Pt: > 210.00 F (98.9 C) Method Used: Pensky-Marten Closed Cup
Explosive Limits: LEL: No data. UEL: No data.
Autoignition Pt: No data available.

Fire Fighting Instructions

No data available.

Flammable Properties and Hazards

No data available.

Hazardous Combustion Products

No data available.

Suitable Extinguishing Media

Carbon dioxide, dry chemical or foam.

Unsuitable Extinguishing Media

No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

For small spills, wipe up spilled material with paper towel. For larger spills, remove spilled material with a shovel or other suitable device. Wash contaminated area with soap and water. Repeat washing until area is no longer slippery. Allow to dry.

7. Handling and Storage

Precautions To Be Taken in Handling

Keep out of the reach of children.

Precautions To Be Taken in Storing

Store below 120 degrees F. Keep containers sealed.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits
1. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	No data.	No data.	No data.
2. Nonionic surfactant belco 01601 glass cleaner..	34398-01-1	No data.	No data.	No data.

Respiratory Equipment (Specify Type)

Not required under normal usage.

Eye Protection

Not usually required. Avoid contact with eyes.

Protective Gloves

Not required under normal usage.

Other Protective Clothing

Not required under normal usage.

Engineering Controls (Ventilation etc.)

No data available.

Work/Hygienic/Maintenance Practices

No data available.

9. Physical and Chemical Properties

Physical States: ☐ Gas ☒ Liquid ☐ Solid
Melting Point: No data.



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Boiling Point: No data.
Autoignition Pt: No data.
Flash Pt: > 210.00 F (98.9 C) Method Used: Pensky-Marten Closed Cup
Specific Gravity (Water = 1): - .95-1.2
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: Soluble
Percent Volatile: 6.25 % by weight.
pH: - 6.5-7.5

Appearance and Odor

Light green, creamy lotion with citrus odor and fine, cosmetic grade pumice.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

No data available.

Incompatibility - Materials To Avoid

No data available.

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. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	n.a.	n.a.	n.a.	n.a.
2. Nonionic surfactant belco 01601 glass cleaner..	34398-01-1	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



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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. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	No	No	No	No
2. Nonionic surfactant belco 01601 glass cleaner..	34398-01-1	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. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	No	No	Inventory	No
2. Nonionic surfactant belco 01601 glass cleaner..	34398-01-1	No	No	Inventory	No

Hazardous Components (Chemical Name)	CAS #	CA TAC, Title 8	MA Oil/HazMat	MI CMR, Part 5	NC TAP
1. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	No	No	No	No
2. Nonionic surfactant belco 01601 glass cleaner..	34398-01-1	No	No	No	No

Hazardous Components (Chemical Name)	CAS #	NJ EHS	NY Part 597	PA HSL	SC TAP
1. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	No	No	No	No
2. Nonionic surfactant belco 01601 glass cleaner..	34398-01-1	No	No	No	No

Hazardous Components (Chemical Name)	CAS #	WI Air
1. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	No
2. Nonionic surfactant belco 01601 glass cleaner..	34398-01-1	No

International Regulatory Lists

Hazardous Components (Chemical Name)	CAS #	Canadian DSL	Canadian NDSL	Taiwan TCSCA
1. (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	Yes	No	No
2. Nonionic surfactant belco 01601 glass cleaner..	34398-01-1	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)



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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

Cyclo Industries, Inc. 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 judgment in determining its appropriateness for a particular purpose. Cyclo Industries, Inc. 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, Inc. will not be responsible for damages resulting from use of or reliance upon this information.