

SAFETY DATA SHEET

Citrus Degreaser

Date 10-5-15

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Citrus Degreaser

Other Means of Identification

Product Code

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Degreaser/ cleaner.
Uses Advised Against For industrial and commercial use only.

Details of the Supplier of the Safety Data Sheet

Manufacturer Address Michigan Chemical Products
31400 Kendall ste. B
Fraser, MI 48026

Emergency Telephone Number

Company Phone Number 586-415-8891
Emergency Telephone 1-800-255-3924 Chemtel

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Oral	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2

Hazard Statements

Harmful if swallowed
Causes skin irritation
Causes severe eye irritation

WARNING

Signal Word



Appearance Red liquid

Physical State Liquid

Odor Orange Scent

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Wear protective gloves/protective clothing/eye protection/face protection
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking
 Keep container tightly closed
 Take precautionary measures against static discharge

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Get medical attention if irritation occurs
 If skin irritation occurs: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. .Rinse mouth
IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in original container. Store locked up in a well-ventilated place. Keep out of reach of children. Keep unused container tightly closed.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Diethylene Glycol Monobutyl Ether	112-34-5	0 - 10
Citrus Terpenes	5989-27-5	5 - 15
Biodegradable Chelant	144538-83-0	0 - 5

4. FIRST AID MEASURES

First Aid Measures

- General Advice** If exposed or concerned: Get medical advice/attention.
- Inhalation** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if irritation occurs.
- Eye Contact** Flush immediately eyes thoroughly with water for at least 15 minutes. Get medical attention if irritation occurs.
- Ingestion** Drink plenty of water or milk immediately. Do NOT induce vomiting. If symptoms persist, get medical attention.
- Skin Contact** Wash with plenty of soap and water. Get medical attention if irritation occurs.

Most Important Symptoms and Effects, both Acute and Delayed

- Symptoms** Harmful if swallowed. Irritation to skin and eyes. Irritation by inhalation. Prolonged or repeated exposure can cause drying, defatting, and dermatitis of skin.

Indication of any Immediate Medical Attention and Special Treatment Needed

- Note to Physicians** Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water or suitable material for primary source of fire.

Unsuitable Extinguishing Media None known.

Specific Hazards Arising from the Chemical

None known.

Hazardous Combustion Products Carbon monoxide.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Absorb spilled material and sweep up.

Environmental Precautions Prevent product from entering drains. Do not flush into surface water or sanitary sewers.

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Absorb spilled material and sweep up. Do not hose spills down drains, sewers, or waterways. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Do not eat, drink or smoke when handling this product. Wear protective gloves/protective clothing and eye/face protection. Wash face, hands, and any exposed skin thoroughly after handling.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Store locked up. Store away from incompatible materials. Store in a well ventilated area. Keep container tightly closed.

Incompatible Materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm		

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Appropriate Engineering Controls

Engineering Controls Good general ventilation (local exhaust) should be sufficient. Eyewash stations. Showers.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Splash proof chemical safety goggles.

Skin and Body Protection Impervious gloves and clothing.

Respiratory Protection Under normal circumstances, no protective equipment is needed.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Take off all contaminated clothing and wash it before reuse. Wash face, hands and any exposed skin thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Orange fragrance
Appearance	Red liquid	Odor Threshold	Not determined
Color	Red		

<u>Property</u>	<u>Values</u>	<u>Remarks -Method</u>
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	Not Applicable.	
Evaporation Rate	1	Water = 1
Flammability (Solid, Gas)	N/A- Liquid	
Upper Flammability Limits	Not Applicable	
Lower Flammability Limit	Not Applicable	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	0.99	
Water Solubility	Emulsifies	
Solubility in Other Solvents	Not Applicable	
Partition Coefficient	Not determined	
Auto ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Will not occur.

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Conditions to Avoid

None known.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation	Avoid breathing vapors or mists.
Eye Contact	Causes severe eye irritation.
Skin Contact	Causes skin irritation. May be harmful in contact with skin.
Ingestion	Do not taste or swallow. Harmful ifswallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Citrus Terpenes 5989-27-5	4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
Diethylene glycol monobutyl ether 112-34-5	2410 mg/kg (Mouse)	2764 mg/kg (Rabbit)	>2.1 mg/l 4 h (Rat)

Information on Physical, Chemical and Toxicological Effects

Symptoms	Irritating to skin.
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Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Skin Corrosion/Irritation	Causes skin irritation.
Serious Eye Damage/Eye Irritation	Causes eye irritation.
Carcinogenicity	No components of this product have been listed as carcinogens or potential carcinogens by ACGIH, IARC, NTP or OSHA.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganism	Crustacea
Citrus Terpenes 5989-27-5		LC50 flow- through 35 mg/L 96 h		

Persistence and Degradability

Not determined

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Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not Regulated

IATA

Not Regulated

IMDG

Not Regulated

15. REGULATORY INFORMATION

International Inventories

TSCA

Listed

DSL

Listed

NDSL

Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313

No components of this product contain any chemical that require reporting under this statute.

US State Regulations

U.S. State Right-to-Know Regulations

To the best of our knowledge no components of this product are found on any state lists.

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	Not determined
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	0	0	B

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet