

**STINGER Citrus Cleaner Degreaser**

Version Number: 1

Preparation date: 2005-08-27

1. PRODUCT AND COMPANY IDENTIFICATION	
Product name:	STINGER Citrus Cleaner Degreaser
MSDS #:	MS0600118
Product code:	U22639, U22640, U22641
Recommended use:	Industrial .
<b>Manufacturer, importer, supplier:</b> Unisource Worldwide, Inc. 6600 Governors Lake Parkway Norcross, GA 30071 Phone: 770-447-9000 MSDS Internet Address: www.unisourcelink.com	
Emergency telephone number:	1-800-535-5053

2. HAZARDS IDENTIFICATION	
<b>EMERGENCY OVERVIEW</b>	
<ul style="list-style-type: none"> <li>• WARNING</li> <li>• CONCENTRATE</li> <li>• CAUSES EYE AND SKIN IRRITATION</li> <li>• COMBUSTIBLE LIQUID AND VAPOR</li> </ul>	
Principle routes of exposure:	<ul style="list-style-type: none"> <li>• Eyes</li> <li>• Skin</li> <li>• Inhalation</li> </ul>
Inhalation:	• May be irritating to nose, throat, and respiratory tract
Ingestion:	• May be irritating to mouth, throat and stomach
Skin contact:	<ul style="list-style-type: none"> <li>• Moderately irritating to the skin</li> <li>• Prolonged or repeated skin contact may cause allergic reactions in some individuals</li> </ul>
Eye contact:	• Severe eye irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS		
<b>HAZARDOUS COMPONENTS</b>		
<b>Ingredient</b>	<b>CAS #</b>	<b>Weight %</b>
Diethanolamine	111-42-2	1 - 5 %
Glycerin	56-81-5	0.1 - 1.5%
Myrcene	123-35-3	0.1 - 1.5%
D-limonene	5989-27-5	5 - 10%
Ethyl alcohol	64-17-5	0.1 - 1.5%

<b>HAZARDOUS COMPONENTS</b>			
<b>Ingredient</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
Diethanolamine	.62 ml/kg (rat)	7.64 mL/kg (rabbit)	Not available
Glycerin	12.6 g/kg (rat)	10 g/kg (rabbit)	570 mg/m <sup>3</sup> /1H (rat)
Myrcene	5 g/kg (rat)	5 g/kg (rabbit)	Not available
D-limonene	4400 mg/kg (rat)	5 g/kg (rabbit)	Not available
Ethyl alcohol	7060 mg/kg (rat)	Not available	20 g/kg/10H (rat)

4. FIRST AID MEASURES	
Eye contact:	<ul style="list-style-type: none"> <li>• Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open</li> <li>• Get medical attention</li> </ul>
Skin contact:	<ul style="list-style-type: none"> <li>• Flush immediately with plenty of water</li> <li>• If irritation persists, get medical attention</li> </ul>

<b>Inhalation:</b>	<ul style="list-style-type: none"> <li>If breathing is affected, remove to fresh air</li> <li>Get medical attention</li> </ul>
<b>Ingestion:</b>	<ul style="list-style-type: none"> <li>Immediately drink one cupful of water or milk</li> <li>Never give anything by mouth to an unconscious person</li> <li>Get medical attention</li> </ul>
<b>Aggravated Medical Conditions:</b>	<ul style="list-style-type: none"> <li>Persons with pre-existing skin disorders may be more susceptible to irritating effects</li> </ul>

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	<ul style="list-style-type: none"> <li>Use dry chemical, CO2, water spray or "alcohol" foam</li> </ul>
<b>Specific hazards:</b>	<ul style="list-style-type: none"> <li>Keep product and empty container away from heat and sources of ignition</li> </ul>
<b>Unusual hazards:</b>	<ul style="list-style-type: none"> <li>None known</li> </ul>
<b>Specific methods:</b>	<ul style="list-style-type: none"> <li>No special methods required</li> </ul>
<b>Special protective equipment for firefighters:</b>	
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear	
<b>Extinguishing media which must not be used for safety reasons:</b>	
No information available	

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	<ul style="list-style-type: none"> <li>Put on appropriate personal protective equipment (see Section 8.)</li> <li>Ensure adequate ventilation</li> <li>Remove all sources of ignition</li> <li>Use spark-proof tools and explosion-proof equipment</li> </ul>
<b>Environmental precautions and clean-up methods:</b>	<ul style="list-style-type: none"> <li>Clean-up methods - large spillage</li> <li>Prevent product from entering drains</li> <li>Soak up with inert absorbent material</li> <li>Sweep up and shovel into suitable containers for disposal</li> <li>Use a water rinse for final clean-up</li> </ul>

### 7. HANDLING AND STORAGE

<b>Handling:</b>	<ul style="list-style-type: none"> <li>Avoid contact with skin, eyes and clothing</li> <li>Wash thoroughly after handling</li> </ul>
FOR COMMERCIAL AND INDUSTRIAL USE ONLY	
<b>Storage:</b>	<ul style="list-style-type: none"> <li>Protect from freezing</li> <li>Keep tightly closed in a dry, cool and well-ventilated place</li> <li>Keep out of the reach of children</li> </ul>

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering measures to reduce exposure:</b>	
<ul style="list-style-type: none"> <li>No special ventilation requirements</li> <li>General room ventilation is adequate</li> </ul>	
<b>Personal Protective Equipment</b>	
<b>Eye protection:</b>	<ul style="list-style-type: none"> <li>Safety glasses</li> </ul>
<b>Hand protection:</b>	<ul style="list-style-type: none"> <li>Chemical resistant gloves</li> </ul>
<b>Skin and body protection:</b>	<ul style="list-style-type: none"> <li>No special requirements under normal use conditions</li> <li>If major exposure is possible, wear suitable protective clothing and footwear</li> <li>Long sleeved clothing</li> <li>Chemical resistant apron</li> </ul>
<b>Respiratory protection:</b>	<ul style="list-style-type: none"> <li>No special requirements under normal use conditions</li> </ul>
<b>Hygiene measures:</b>	<ul style="list-style-type: none"> <li>Handle in accordance with good industrial hygiene and safety practice</li> </ul>



Ingredient	CAS #	ACGIH	OSHA	Mexico
Diethanolamine	111-42-2	2 mg/m <sup>3</sup> (TWA)		
Glycerin	56-81-5	10 mg/m <sup>3</sup> (TWA)	5 mg/m <sup>3</sup> Respirable fraction. 15 mg/m <sup>3</sup> Total dust.	10 mg/m <sup>3</sup> (TWA)
Ethyl alcohol	64-17-5	1000 ppm (TWA)	1900 mg/m <sup>3</sup> 1000 ppm	1900 mg/m <sup>3</sup> (TWA)

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Appearance:	Aqueous solution
Color:	Orange	Odor:	Citrus Orange
Specific gravity:	1.013	pH:	10.75
Dilution pH:	No information available	Density:	8.44
Bulk density:	No information available	Vapor density:	No information available
Evaporation rate:	No information available	Solubility:	Soluble
VOC:	6.4 %	Viscosity:	No information available
Solubility in other solvents:	No information available		
Partition coefficient (n-octanol/water):	No information available		
Boiling point/range:	Not determined		
Melting point/range:	Not determined		
Flash point:	131 (°F)55 (°C)		
Decomposition temperature:	Not determined		
Autoignition temperature:	No information available		

### 10. STABILITY AND REACTIVITY

Stability:	<ul style="list-style-type: none"> <li>The product is stable</li> </ul>
Polymerization:	<ul style="list-style-type: none"> <li>Hazardous polymerisation does not occur</li> </ul>
Hazardous decomposition products:	<ul style="list-style-type: none"> <li>None reasonably foreseeable</li> </ul>

### 11. TOXICOLOGICAL INFORMATION

Acute toxicity	<ul style="list-style-type: none"> <li>Oral</li> <li>LD50 estimated to be greater than 5000 mg/kg</li> <li>Dermal</li> <li>LD50 estimated to be &gt; 2000 mg/kg</li> </ul>
Component Information:	<ul style="list-style-type: none"> <li>See Section 3</li> </ul>
Chronic toxicity:	<ul style="list-style-type: none"> <li>None known</li> </ul>
<b>Specific effects</b>	
Carcinogenic effects:	<ul style="list-style-type: none"> <li>None known</li> </ul>
Mutagenic effects:	<ul style="list-style-type: none"> <li>None known</li> </ul>
Reproductive toxicity:	<ul style="list-style-type: none"> <li>None known</li> </ul>
Target organ effects:	<ul style="list-style-type: none"> <li>None known</li> </ul>

#### HAZARDOUS COMPONENTS

Ingredient	CAS #	NTP	IARC	OSHA
Ethyl alcohol	64-17-5	Listed.		

### 12. ECOLOGICAL INFORMATION

Environmental Information:	<ul style="list-style-type: none"> <li>no data available</li> </ul>
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### 13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:	<ul style="list-style-type: none"> <li>Undiluted product is regulated under environmental and transportation laws as an ignitable waste</li> </ul>
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**14. TRANSPORT INFORMATION**

DOT/TDG: • Please refer to the Bill of Lading/receiving documents for up to date shipping information

**15. REGULATORY INFORMATION****International Inventories**

All components of this product are listed on the following inventories: U.S.A. (TSCA).

**U.S. Regulations**

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65

**SARA 311/312 Hazard Categories**

<b>Immediate:</b>	Y
<b>Delayed:</b>	N
<b>Fire:</b>	Y
<b>Reactivity:</b>	N
<b>Sudden Release of Pressure:</b>	N

**Canada**

Ingredient	CAS #	NPRI
Diethanolamine	111-42-2	Listed
Alkylphenoxy polyethoxyethanol	127087-87-0	Listed

WHMIS hazard class: Not for sale in Canada .

**STATE RIGHT TO KNOW**

Ingredient	CAS #	NJRTK:	MARTK:	PARTK:	RIRTK:	ILRTK:	CTRTK:
Diethanolamine	111-42-2	Listed	Listed	Listed	Listed	Listed	-
Glycerin	56-81-5	-	Listed	Listed	Listed	Listed	-
Cocamide diethanolamine	68603-42-9	-	-	-	-	-	-
Alkylphenoxy polyethoxyethanol	127087-87-0	-	-	-	-	-	-
Water	7732-18-5	-	-	-	-	-	-
Sodium xylene sulfonate	1300-72-7	-	-	-	-	-	-
D-limonene	5989-27-5	Listed	-	-	-	-	-
Ethyl alcohol	64-17-5	Listed	Listed	Listed	Listed	Listed	Listed

**CERCLA / SARA**

Ingredient	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Diethanolamine	111-42-2	1 - 5 %	100		Listed.
Ethyl alcohol	64-17-5	0.1 - 1.5%	100		

Ingredient	CAA HAP	CAA ODS	CWA Priority Pollutants
Diethanolamine	Listed.		

**16. OTHER INFORMATION**

HMIS	Health	2	Fire Hazard	2	Reactivity	0
NFPA	Health:	2	Flammability:	2	Instability:	0

**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:** None

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