


SECTION 1: Identification

Product Name	Citrosolve	Item Code	CITROS
Recommended Use	Concentrated all-purpose cleaner		
Supplier	Next-Gen Supply Group 11 Norfolk Street Mansfield, MA 02048 877-452-6726	Emergency Telephone	
		INFOTRAC: 1-800-535-5053	

SECTION 2: Hazard(s) identification

Danger 	Hazards not otherwise classified or not covered by GHS	
	None	
Hazard Statement	Hazard Class (GHS Chapter)	Category
May be fatal if swallowed and enters airways	Aspiration Hazard (chapter 3.10)	1
Causes skin irritation.	Skin corrosion/irritation(chapter 3.2)	2
Toxic to aquatic life with long lasting effects	Hazardous to the aquatic environment, long-term (Chronic)	Chronic 2

Precautionary Statement

Wear protective gloves, clothing and safety eyewear.
 If swallowed, immediately call an emergency medical professional.
 Do NOT induce vomiting.
 If on skin, remove all contaminated clothing and wash before reuse.
 Rinse affected areas with plenty of soap and water or shower.
 If skin irritation occurs. Get medical advice/attention.
 Avoid release to the environment.
 Collect spillage.
 Store securely.
 Dispose of contents an container in accordance with local, state, federal and international regulations. Offer surplus and non-recyclable solutions to a licensed disposal company.

SECTION 3: Composition/Information on Ingredients

Chemical identity	Common name, synonyms, etc.	CAS #
D-Limonene	Carvene, p-Mentha-1,8 diene, 4-Isoprpenyl-1-methyl-cyclohexebe	5989-27-5
Cocamide DEA	Claminde C, Coco diethanolamides, Coconut DEA, Ninol 11CM, Coconut oil diethanolamine, Lauridit KDG< Monomid 150AD	68603-42-9
Diethanolamine	Bis(2-Hydroethyl) amine, diethylolamine,Diolamine, Ethanol, 2-2-Imoinodi-, Iminodiethanol, Nci-C55174	111-42-2

SECTION 4: First Aid Measures

If medical advice is needed, have product container or label at hand.

Necessary measures for routes of exposure	IF SWALLOWED: Harmful if swallowed. Rinse mouth. DO NOT induce vomiting. Call an emergency medical professional.
	IF ON SKIN: Remove contaminated clothing and wash before reuse. Rinse affected areas with plenty of soap and water or shower. If skin irritation occurs, get medical attention.
	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	IF IN EYES: Rinse carefully with water for several minutes. Remove contact lenses, if easy to do. Continue rinsing.
Most important symptoms/effects, acute and delayed.	Acute exposure may cause skin burns/irritation or eye irritation.
Immediate medical attention and special treatment, if necessary	Move victim to fresh air. Immediately call 911 or medical aid..

SECTION 5: Fire-fighting Measures

Suitable extinguishing media.	Dry chemical, CO ₂ , alcohol resistant foam or water spray
Specific hazards arising from the chemical	None
Special protective equipment and precautions for fire-fighters.	Wear positive pressure, self-contained breathing apparatus (SCBA). Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Move containers from fire area, if you can do so without risk.
Emergency Response Guide Number	Not applicable

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures.	Keep away from clothing and other combustible materials. Chemically protective gloves, clothing and safety eyewear are recommended.
Environmental precautions.	Prevent entry into waterways, sewers, basements or confined areas. Collect spillage.
Methods and materials for containment and cleaning up.	Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with non-combustible absorbent material and transfer to containers. Collect Spillage. Contact a licensed professional waste disposal service to dispose of this material.

SECTION 7: Handling and Storage

Precautions for safe handling.	Do not eat, drink or smoke in areas where this material is used. After handling, always wash hands thoroughly with soap and water. Wear protective nitrile gloves/protective clothing/safety eye glasses/face protection. Use only with adequate ventilation/personal protection. Avoid strong oxidizing agents and metals.
Conditions for safe storage, including any incompatibilities.	Store containers in a cool, dry, ventilated area away from sources of ignition and incompatible materials. Keep containers tightly closed and properly labeled. Store in original containers.

SECTION 8: Exposure Controls/Personal Protection

Component	CAS #	Type	Value	Basis
Diethanolamine	111-42-2	TWA	1 mg/m ³	USA ACGIH Threshold Limit Values (TLV)
		TWA	3ppm	USA OSHA – Table Z-1 limits for Air contaminants-1910.1000
		TWA	3ppm	USA, HIOSH Recommended Exposure Limits

Remarks: Eye and skin irritation. Confirmed animal carcinogen with unknown relevance to humans.

D-Limonene	5989-27-5	TWA	20ppm	USA ACGIH Threshold Limit Values (TLV)
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Remarks: Eye, skin and upper respiratory tract irritation. Central Nervous System impairment. Lung damage. Sensitizer varies. Not classifiable as a human carcinogen.

Control parameters	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after the workday. Long term exposure could irritate skin and eyes. Collect spillage.
Appropriate engineering controls	Provide local ventilation. Respiratory equipment is not required. For nuisance exposures use type OV/AG (US) respiratory cartridges. Wear tightly fitted safety goggles or face shield.
Individual protection measures	Wear protective gloves, clothing and safety eyewear. Gloves should be inspected prior to use. Avoid skin contact with this product. Avoid eye contact.

SECTION 9: Physical and Chemical Properties

Appearance	Orange transparent liquid	Specific Gravity	0.99-1.02
Odor	D-Limonene odor	Boiling Point	Ca 212°F
Odor threshold	No data available	Solubility in Water	Complete
pH at concentrate	10-12	Evaporation Rate	Similar to water
pH at use dilution	8-9.5	Volatile Organic Compound	7-9%

SECTION 10: Stability and Reactivity

Reactivity	No data available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available.
Conditions to avoid	No data available.
Incompatible materials	Oxidizers, acids, halogens, light metals, copper, ferrous metals and aluminum.
Hazardous decomposition products	No data available

SECTION 11: Toxicological Information

IARC	Cocoamide DEA CAS 68603-42-9, Diethanolamine CAS 111-42-2 2B Possibly carcinogenic to humans
ACGIH	Diethanolamine CAS 111-42-2, A3 Confirmed animal carcinogen with unknown relevance to humans
NTP	No component of this product is present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by NTP
OSHA	No component of this product is present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by OSHA
Additional Information	<p><u>Diethanolamine CAS 111-42-2</u> RTECS: KL2975000. Liver - Irregularities based on Human Evidence. Acute Toxicity: LD50 Oral—rat-710mg/kg, Inhalation: No data available. LD50 Dermal—Rabbit-12,200mg/kg. LD50 Intraperitoneal—Rat—120mg/kg. LD50 Intravenous—Rat-778mg/kg. RTECS: Not available. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Serious eye damage/eye irritation- Eyes-Rabbit, Result: Severe eye irritation -24hr. Respiratory or skin sensitization- No data available.</p> <p><u>D-Limonene CAS 5989-27-5</u> Acute Toxicity: LD50 Oral -rat-4,400mg/kg. Behavioral change in motor activity. Respiratory disorder skin and appendages. Serious eye damage, eye irritation. Respiratory or skin sensitization - mouse. RTECS: GW6360000. Liver - Irregularities based on Human Evidence.</p>

SECTION 12: Ecological Information

D-Limonene CAS 5989-27-5 is toxic to aquatic life. Cocoamide DEA CAS 68603-42-9 is harmful to aquatic life with long lasting effects.

SECTION 13: Disposal Considerations

Dispose of contents/container in accordance with local/state/federal and international regulations. Collect spillage. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dispose of contaminated packing as unused product.

SECTION 14: Transport Information

Not DOT regulated for US transport.

SECTION 15: Regulatory Information

This material does not contain any components subject to the reporting requirements of SARA Title III, Section 302. Diethanolamine CAS 111-42-2 is subject to the reporting requirements of SARA Title III, Section 313. Diethanolamine CAS 111-42-2 is a SARA 311/312 Hazard: Acute Health Hazard, Chronic Health Hazard. D-Limonene CAS 5989-27-5 is a SARA 311/312 Hazard: Fire Hazard, Acute health Hazard, Chronic Health Hazard.

Diethanolamine CAS 111-42-2 is a NJ, PA, MA Right- to- Know chemical
D-Limonene CAS 5989-27-5 is a NJ, PA, MA Right- to- Know chemical

California Prop. 65: This product contains a chemical known to the State of California to cause cancer, Diethanolamine CAS 111-42-2.

SECTION 16: Other Information

Revision prepared 05/26/2016 by Gene Ricciardelli in accordance with OSHA 29 CFR 1910.1200, for USA use only.
Previous version dated 12/01/2014.

DISCLAIMER: Whereas the use and handling of this product is not within the control of Next-Gen Supply Group, it is the responsibility of the user to determine the suitability of the product for its intended application. The user assumes all risk and liability for the safe use of the product, utilizing the information provided in this document as a guide. Next-Gen Supply Group accepts no liability for damages or loss incurred from the misuse and mishandling of this product.