




SECTION 1: Identification

Product Name	Problem Solver	Item Code	DECLOG
Recommended Use	All-purpose heavy-duty cleaner, degreaser, drain declogger and deodorizer.		
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 Statements	Hazard Class (GHS Chapter)	Category
Flammable liquid and vapor	Flammable Liquids (2.6)	Category 3
May be fatal if swallowed and enters airways	Aspiration hazard (3.1)	Category 1
Causes skin irritation.	Skin corrosion/irritation (3.2)	Category 2
May cause an allergic skin reaction	Sensitization, skin (3.4)	Category 1

Precautionary Statements

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
 Use explosion-proof electrical/ventilating/lighting equipment.
 Take precautionary measures against static discharge.
 Avoid breathing dust/fume/gas/mist/vapors/spray.
 Wash skin thoroughly after handling.
 Contaminated work clothing should not be allowed out of workplace.
 Wear protective gloves, protective clothing and eye safety protection.
 If swallowed, immediately call a poison center or doctor/physician.
 If on skin, immediately remove all contaminated clothing. Rinse skin with water/shower.
 Do NOT induce vomiting.
 If skin irritation or rash occurs, get medical attention.
 Remove contaminated clothing and wash before reuse.
 In case of fire, use dry sand, dry chemical or alcohol-resistant foam for extinction.
 Collect spillage.
 Store in well-ventilated area. Keep cool.
 Store securely.
 Dispose of contents/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	4-isopropenyl-1-methylcyclohexene, Racemic: DL-limonene; dipentene, p-Menth-1,8-diene	5989-27-5	44-52

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 a poison center, 911 or 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 or eye irritation.
Immediate medical attention and special treatment, if necessary	Move victim to fresh air. Immediately call poison center, 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	Highly flammable, Eliminate all ignition sources. Do not touch or walk through spilled area. Water spray may reduce vapor; but may not prevent ignition in closed spaces.
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.
Emergency Response Guide Number	128

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 required. Remove sources of ignition. Evacuate personnel to safe areas. .
Environmental precautions.	Prevent entry into waterways, sewers, basements, or confined areas. Collect spillage. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up.	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. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. After handling, always wash hands thoroughly with soap and water. Wear protective nitrile gloves, protective clothing, and eye/face protection. Use only with adequate ventilation/personal protection.			
Conditions for safe storage, including any incompatibilities.	Keep away from ignition sources, heat, hot surfaces, sparks, and open flames. No smoking. 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 Number	Type	Value	Basis
D-Limonene	5989-27-5	TWA	20ppm,	USA ACGIH Threshold Limit Values (TLV)
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 with nitrile gloves. Gloves must be inspected prior to use. Avoid skin contact with this product. Safety goggles are required. Avoid eye contact. Long term exposure could irritate skin and eyes. Collect spillage.			
Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after the workday.			
Individual protection measures	Respiratory equipment is required where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination or type ABEK respirator cartridges as a backup to engineering controls. Provide local ventilation. Wear tightly fitted safety goggles or face shield.			
SECTION 9: Physical and Chemical Properties				
Appearance	Orange transparent liquid	Specific Gravity		0.80-0.85
Odor	D-Limonene odor	Flash Point/Boiling Point		122 °F/177°F
Odor threshold	No data available	Solubility in Water		Miscible
pH at concentrate	4-5	Evaporation Rate		Slower than water
pH at use dilution	7-8	Volatile Organic Compound		40-45%
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	Heat, flames and ignition sources.			
Incompatible materials	Strong oxidizing agents.			
Hazardous decomposition products	No data available			

SECTION 11: Toxicological Information

IARC	3 - Group 3: Not classifiable as to its carcinogenicity to humans (D-Limonene)
ACGIH	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 ACGIH
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	D-Limonene CAS 5989-27-5 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. Liver – Irregularities based on Human Evidence. RTECS: GW6360000 Liver-Irregularities-Based on Human Evidence. Carcinogenicity-Rat-Oral Tumorigenic: Carcinogenic by RTECS criteria, Kidney, Ureter, Bladder-Kidney tumors. Tumorigenic Effects: Testicular tumors. Carcinogenicity-Mouse-Oral Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Gastrointestinal Tumors.

SECTION 12: Ecological Information

D-Limonene is toxic to aquatic life. No data is available on the mixture.

SECTION 13: Disposal Considerations

Dispose of contents/container in accordance with local, state, and federal 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

**DOT Packaging Exception 173.150, b,2,d,
Limited Quantities not over 1.3 gals (Inner packaging not over 1.3 gals)
If shipped by aircraft, rail or vessel see 49 CFR 172.101 Hazardous Materials Table**

DOT Classification	Terpene Hydrocarbons, N.O.S.	Hazard Class	3	Packaging Group	III
DOT Identification	UN2319	Placard	Flammable Liquid 3		

Special Provisions for Bulk Transport (>119 gals container for liquids) Flammable Liquid 3 Placard

SECTION 15: Regulatory Information

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

D-Limonene CAS 5989-27-5 is a NJ, PA Right-to-Know chemical

California Prop. 65: This product does not contain any chemical known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other Information

Revision prepared 03/21/2023 by Gene Ricciardelli in accordance with OSHA 29 CFR 1910.1200, for USA use only.
Previous version dated 05/11/2017.

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.