



Safety Data Sheet

DSC Products Inc.

SDS#: 2406B

Date Revised: 06/01/2015

SECTION 1: PRODUCT IDENTIFICATION

Manufacturer Name	DSC PRODUCTS INC	24 Hour Emergency Telephone	(231) 739-2068
Address	1979 Latimer Dr.		
	Muskegon, MI 49442-6229	Fax (231) 773-0477	
	(231) 777-3012	www.dscprod.com	
Trade Name	SURE-SOLV	Product Type	D' Limonene Cleaner
Chemical Family	D'Limonenes	Formula	N/A

SECTION 2: HAZARDOUS IDENTIFICATION

GHS Classification:

Health, Acute toxicity, 5 Oral
Health, Skin corrosion/irritation, 3
Health, Serious Eye Damage/Eye Irritation, 2 B

GHS Phrases:

Warning, H303 – May be harmful if swallowed
Warning, H316 – Causes mild skin irritation
Warning, H320 – Causes eye irritation

GHS Label Elements:

Signal Word:

Warning

GHS Pictogram:

None

Precautionary Statements:

Prevention:

Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/
face protection.

Response:

-Eyes

-IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue Rinsing.
Call a Poison Center or doctor/physician if you feel unwell.
If eye irritation persists: Get medical advice/attention.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Name/Common Name	% (optional)	Cas.No.	OSHA PEL	ACGIH TLV (source)
D'Limonene		5989-27-5		
Butoxyethanol		111-76-2		

SECTION 4: FIRST AID MEASURES

Eyes	Flush with water, if irritation persists, consult physician
Skin	Wash with soap and water, if irritation persists, consult physician
Ingestion	DO NOT INDUCE VOMITING, get immediate attention.
Inhalation	Remove to fresh air, if unconscious give artificial respiration, if breathing is difficult, consult physician

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SECTION 5: FIRE FIGHTING MEASURES

Flash Point (T.C.C.)	140 F	Boiling	None To Limits
Flammable Limits	N/A	Upper 6.5	Lower .7
Extinguishing Media	Dry chemical, water spray, CO2	Special Fire Fighting Procedures	Self contained breathing apparatus
Unusual Fire and Explosion Hazards	None		

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken if released or spilled	Absorb into material such as sawdust etc.
Waste disposal methods	Dispose to landfill in conformance with local, state and federal regulations

SECTION 7: HANDLING AND STORAGE

Precautions to be taken in handling and storage
Other: KEEP OUT OF REACH OF CHILDREN
Keep container tightly closed and store in a cool place. Do not mix with other chemicals. Keep away from heat or flames.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory Protection	Use an approved respirator for organic vapors.		
Ventilation	Local	Mechanical X	Other
Protective Gloves	Impervious to solvent	Eye Protection	Goggles with side shields
Other Protective Clothing or Equipment	Protect parts of body that may come in contact with product		
Work/Hygienic Practices	Wash with soap and water after contact		

No OSHA PEL established for listed chemicals.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (degrees F)	340 F	Specific Gravity (H2O=1.0)	0.76	pH	N/A
Vapor Pressure (mm Hg)	10	Vapor Density (Air = 1)	5.4	Melting Point (degrees F)	N/A
Solubility in Water	Complete	Invisible	Emulsible (or dispersible)	Slight (or partial) X	
Evaporation Rate (vs. H2O)		Faster X	Slower	About the same	
Appearance and Odor				Clear colorless liquid	



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SECTION 10: STABILITY AND REACTIVITY

Stability	Stable	Incompatibility	Strong oxidizing agents
Hazardous Decomposition Products	Carbon monoxide, organic fumes	Hazardous Polymerization	Will not occur

SECTION 11: TOXICOLOGY INFORMATION

Threshold Limit Value – Product (Section 2-TLV)	None Established X		Not Applicable		
Primary Routes of Exposure	Eye	Skin	Oral	Inhalation X	Other
Signs and Symptoms of Over-exposure (acute)					
Eyes	May cause irritation	Skin	Prolonged contact may defat the skin, cause irritation		
Inhalation	Dizziness, headaches, to unconsciousness	Ingestion	Causes irritation of gastro intestinal tract		
Signs and Symptoms of Over-exposure (chronic)		Not established			
Medical Conditions aggravated by Over-exposure		None known			
Carcinogen or Suspect Carcinogen Ingredients		NP	ARC	OSHA	X None

D-Limonene 5989-27-5
Oral (LD 50): 4400 mg/kg – Rat
Inhalation (LC 50): Not Listed on RTECS
Skin Irritation: Mild
Eye Irritation: Severe
Sensitization: Not considered an occupational sensitizer

Ethylene glycol butyl ether 111-76-2
Oral (LD 50): 917 mg/kg – Rat
Inhalation (LC 50): 2900 mg/m³/7H – Rat
Skin irritation: Mild
Eye irritation: Mild
Sensitization: Not considered an occupational sensitizer

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

This product may be very toxic to aquatic life. However due to the physical properties of the product (density and volatility) it will not remain in the environment for an extended period of time.

Persistence/Degradability

Product is readily biodegradable.



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Bioaccumulation/Accumulation

The octanol-water partition coefficient (Kow) for d-limonene is 4.23. The potential for bioaccumulation in the environment is possible. However, the metabolism of citrus extractives into non-accumulating metabolites greatly reduces risk or bioaccumulation.

Mobility in Environment

Citrus extractives volatilize rapidly. Citrus extractives are expected to volatilize from soil or water to the air and oxidize to carbon dioxide in the presence of sunlight.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal

Incinerate or dispose of in accordance with local regulations. Oil soaked rags or contaminated packaging should be disposed of properly to prevent spontaneous combustion.

SECTION 14: TRANSPORTATION INFORMATION

The listed transportation classification does not address regulatory variations due to changes in package size, mode of shipment, or other regulatory descriptions.

Road – ADR/DOT (ground); RID (rail)

Proper Shipping Name: TERPENE HYDROCARBONS, N.O.S.

Hazard Class: 3

UN Number: UN2319

Packing Group: III

Label/Placard: 3 Flammable Liquid

Label/Placard: exception §173.150(f) applies (DOT only)

Sea – IMDG (sea)

Proper Shipping Name: TERPENE HYDROCARBONS, N.O.S.

Hazard Class: 3

UN Number: UN2319

Packing Group: III

Marine Pollutant: Yes

Label/Placard: 3 Flammable Liquid

Air – IATA / ICAO (air)

Proper Shipping Name: TERPENE HYDROCARBONS, N.O.S.

Hazard Class: 3

UN Number: UN2319

Packing Group: III

Label/Placard: 3 Flammable Liquid

SECTION 15: REGULATORY INFORMATION

Global Inventories

This product is included in the following inventories:

USA (TSCA)1,2

Canada (DSL)1,2

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Europe (EINECS/ELINCS/Polymer/NLP)3
Australia (AICS)3
Korea (KECL)3
Philippines (PICCS)
Japan (ENCS)2
China (IECSC)
New Zealand (HSNO)

Listed as CAS 5989-27-5 (d-limonene)

The U.S. FDA lists d-Limonene as GRAS in 21 CFR sections 182.20 and 182.60

United States Regulations

Proposition 65: California Safe Drinking Water and Toxic Enforcement Act of 1986

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

SARA Title III (Section 313)

This substance contains no materials subject to the reporting requirements of SARA Title III (Section 313).

SECTION 16: OTHER INFORMATION

	Health	Fire	Reactivity	Special	Personal Protection Index
NFPA	2	2	0	0	B
HMIS	2	2	0	0	B

Note to Reader

The information contained herein is deemed accurate and complete at the time of this publication. Use of the product beyond care, custody and control of the manufacture shall bear no warranty whether implied or expressed. DSC Products, Inc. assumes no liability for injury to any person or property resulting of this product without strict adherence to safety procedures. User bears all risks concerning use of the product as designated through labeling. It is recommended any and all data, directives and recommendations should be followed accordingly. This does not apply to any combination with other materials, chemical compounds or processes not inclusive of aforementioned specifications.