

Dottie Tuff Towels®

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).
Revision Date: 10/31/2022 Date of Issue: 01/01/2022 Version: 2.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Dottie Tuff Towels®

Product Code: TT75

Synonyms: Tuff Towels

1.2. Intended Use of the Product

Multi-Use Cleaning Towel

1.3. Name, Address, and Telephone of the Responsible Party

L.H. Dottie Company

6131 Garfield Ave.

Commerce, CA 90040 USA

Ph: 323-725-1000

www.lhdottie.com

1.4. Emergency Telephone Number

Emergency Number : VelocityEHS

(800)255-3924 (North America)

+1 (813)248-0585 (International)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

Serious eye damage/eye irritation Category 2 H319

Skin sensitization, Category 1 H317

Hazardous to the aquatic environment - Acute Hazard Category 2 H401

Hazardous to the aquatic environment - Chronic Hazard Category 2 H411

2.2. Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA)



Signal Word (GHS-US/CA)

: Warning

Hazard Statements (GHS-US/CA)

: H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H401 - Toxic to aquatic life.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary Statements (GHS-US/CA)

: P261 - Avoid breathing vapors, mist, or spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.
P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

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2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US/CA)

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product Identifier	% *	GHS Ingredient Classification
D-Limonene	Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- / Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)- / (R)-p-Mentha-1,8-diene / p-Mentha-1,8-diene, (R)-(+)- / (4R)-p-Mentha-1,8-diene / (4R)-1-Methyl-4-(1-methylethenyl)cyclohexene / Limonene, d- / d-Limonene / Limonene, D- / Menthadiene, 1,8(9)-p- / 1-Methyl-4-prop-1-en-2-yl-cyclohexene / (R)-1-Methyl-4-(1-methylethenyl)cyclohexene / d-LIMONENE / (R)-1-Methyl-4-(1-methylethenyl)cyclohex-1-ene / (R)-4-Isopropenyl-1-methylcyclohex-1-ene / LIMONENE / limonene, (+)- / d-limonene / Limonene	(CAS-No.) 5989-27-5	3 – 7	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Pentanedioic acid, 1,5-dimethyl ester	Dimethyl glutarate / Pentanedioic acid, dimethyl ester / Glutaric acid, dimethyl ester / DIMETHYL GLUTARATE / DBE 5 / Dimethyl pentanedioate	(CAS-No.) 1119-40-0	1 – 5	Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Hexanedioic acid, 1,6-dimethyl ester	Dimethyl adipate / Adipic acid, dimethyl ester / Hexanedioic acid, dimethyl ester / DIMETHYL ADIPATE / DBE 6 / Dimethyl hexane-1,6-dioate	(CAS-No.) 627-93-0	≤ 3	Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Butanedioic acid, dimethyl ester	Dimethyl ethane-1,2-dicarboxylate / DBE 4 / DIMETHYL SUCCINATE / Butanedioic acid, 1,4-dimethyl ester / Succinic acid, dimethyl ester / Dimethyl butanedioate / Dimethyl succinate	(CAS-No.) 106-65-0	≤ 3	Flam. Liq. 4, H227 Aquatic Acute 3, H402
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	4-Nonylphenol, branched, ethoxylated / Polyethylene glycol, mono(p-nonylphenyl) ether, branched / .alpha.-(p-Nonylphenyl)-.omega.-hydroxypoly(oxyethylene) branched / .alpha.-(4-Nonylphenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) branched / 4-Nonylphenol, branched, ethoxylated, 1 - 2.5 moles ethoxylated / Nonylphenoethoxylates	(CAS-No.) 127087-87-0	≤ 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Diethanolamine	Bis(2-hydroxyethyl)amine / DEA / Di(2-hydroxyethyl)amine	(CAS-No.) 111-42-2	≤ 0.0003	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315

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	/ 2,2'-Dihydroxydiethylamine / Ethanol, 2,2'-iminobis- / Ethanol, 2,2'-iminodi- / 2-(2-Hydroxyethylamino)ethanol / 2,2'-Iminodiethanol / Diolamine / N,N-Diethanolamine			Eye Dam. 1, H318 Carc. 2, H351 STOT RE 2, H373 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
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Full text of H-statements: see section 16

** The actual concentration of ingredient(s) is withheld as a trade secret in accordance with the Hazardous Products Regulations (HPR) SOR/2015-17 and 29 CFR 1910.1200. Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Product is intended for topical use. Chemical irritation is unlikely. In the event that irritation occurs, wash affected areas with mild soap and water, then obtain medical advice/attention.

Eye Contact: Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: Skin sensitization. Causes serious eye irritation.

Inhalation: Prolonged exposure may cause irritation.

Skin Contact: May cause an allergic skin reaction.

Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None known.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Unidentified organic compounds.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid contact with eyes. Avoid breathing (vapor, mist, spray). Avoid prolonged skin contact.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

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6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Avoid prolonged skin contact. . Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapors, mist, spray. Avoid contact with eyes.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

Multi-Use Cleaning Towel

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

D-Limonene (5989-27-5)		
USA AIHA	WEEL TWA [ppm]	30 ppm
Diethanolamine (111-42-2)		
USA ACGIH	ACGIH OEL TWA	1 mg/m ³ (inhalable fraction and vapor)
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans, Skin - potential significant contribution to overall exposure by the cutaneous route
USA NIOSH	NIOSH REL (TWA)	15 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	3 ppm
Alberta	OEL TWA	2 mg/m ³
British Columbia	OEL TWA	2 mg/m ³
Manitoba	OEL TWA	1 mg/m ³ (inhalable fraction and vapor)
New Brunswick	OEL TWA	2 mg/m ³
New Brunswick	OEL TWA [ppm]	0.46 ppm
Newfoundland & Labrador	OEL TWA	1 mg/m ³ (inhalable fraction and vapor)
Nova Scotia	OEL TWA	1 mg/m ³ (inhalable fraction and vapor)
Nunavut	OEL STEL	4 mg/m ³
Nunavut	OEL TWA	2 mg/m ³
Northwest Territories	OEL STEL	4 mg/m ³
Northwest Territories	OEL TWA	2 mg/m ³
Ontario	OEL TWA	1 mg/m ³ (inhalable fraction and vapor)
Prince Edward Island	OEL TWA	1 mg/m ³ (inhalable fraction and vapor)

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Québec	VEMP (OEL TWA)	1 mg/m ³ (inhalable fraction and vapour)
Saskatchewan	OEL STEL	4 mg/m ³
Saskatchewan	OEL TWA	2 mg/m ³

8.2. Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. For occupational/workplace settings and bulk quantities:



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Opaque yellow (in unsaturated towels)
Odor	: Fruity citrus scent
Odor Threshold	: No data available
pH	: 6.2 (5.7 – 6.7)
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: 30 °F (-1.11 °C)
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability	: Not applicable
Lower Flammable Limit	: No data available
Upper Flammable Limit	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Specific Gravity	: 1.004 @25°C(H ₂ O = 1)
Solubility	: Complete in water.
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

Hazardous reactions will not occur under normal conditions.

10.2. Chemical Stability:

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

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10.4. Conditions to Avoid:

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible Materials:

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products:

Thermal decomposition may produce: Carbon oxides (CO, CO₂). Unidentified organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Not classified

LD50 and LC50 Data:

No additional information available

Skin Corrosion/Irritation: Not classified

pH: 6.2 (5.7 – 6.7)

Eye Damage/Irritation: Causes serious eye irritation.

pH: 6.2 (5.7 – 6.7)

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None known

Potential Adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

D-Limonene (5989-27-5)	
LD50 Oral Rat	4400 mg/kg
LD50 Dermal Rabbit	> 5 g/kg
Pentanedioic acid, 1,5-dimethyl ester (1119-40-0)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 5000 mg/kg
LC50 Inhalation Rat	> 11 mg/L/4h
Hexanedioic acid, 1,6-dimethyl ester (627-93-0)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 5000 mg/kg
Butanedioic acid, dimethyl ester (106-65-0)	
LD50 Oral Rat	> 5 g/kg
LD50 Dermal Rabbit	> 5 g/kg
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)	
LD50 Oral Rat	1310 mg/kg
Diethanolamine (111-42-2)	
LD50 Oral Rat	1820 mg/kg
LD50 Dermal Rabbit	11.9 ml/kg
D-Limonene (5989-27-5)	

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IARC Group	3
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.
Diethanolamine (111-42-2)	
IARC Group	2B
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Toxic to aquatic life with long lasting effects.

D-Limonene (5989-27-5)	
LC50 Fish 1	0.619 (0.619 – 0.796) mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	0.421 mg/L
LC50 Fish 2	35 mg/L (Exposure time: 96 h - Species: Oncorhynchus mykiss)
Pentanedioic acid, 1,5-dimethyl ester (1119-40-0)	
LC50 Fish 1	19.6 – 26.2 mg/L (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	122.1 – 163.5 mg/L (Exposure time: 48 h - Species: Daphnia magna)
Hexanedioic acid, 1,6-dimethyl ester (627-93-0)	
EC50 - Crustacea [1]	72 mg/L
Butanedioic acid, dimethyl ester (106-65-0)	
LC50 Fish 1	50 – 100 mg/L (Exposure time: 96 h - Species: Brachydanio rerio [static])
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)	
LC50 Fish 1	11.6 mg/L
Diethanolamine (111-42-2)	
LC50 Fish 1	4460 (4460 – 4980) mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	55 mg/L (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	1200 (1200 – 1580) mg/L (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Other Aquatic Organisms 2	2.1 (2.1 – 2.3) mg/L (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata)
ErC50 algae	2.2 mg/L (Exposure time: 96 h - Species: Pseudokirchnerella subcapitata [Static])
NOEC Chronic Crustacea	0.78 mg/L

12.2. Persistence and Degradability

Dottie Tuff Towels®	
Persistence and Degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

Dottie Tuff Towels®	
Bioaccumulative Potential	Not established.
D-Limonene (5989-27-5)	
Partition coefficient n-octanol/water (Log Pow)	4.38 at 37 °C (at pH 7.2)
Pentanedioic acid, 1,5-dimethyl ester (1119-40-0)	
Partition coefficient n-octanol/water (Log Pow)	0.49 at 20 °C (at pH 7)
Hexanedioic acid, 1,6-dimethyl ester (627-93-0)	
Partition coefficient n-octanol/water (Log Pow)	1.4(at 22 °C (at pH 6.9)
Butanedioic acid, dimethyl ester (106-65-0)	
Partition coefficient n-octanol/water (Log Pow)	0.33 at 40 °C (at pH 7.1)
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)	
Partition coefficient n-octanol/water	5.669 at 25 °C (at pH 7.5)

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(Log Pow)	
Diethanolamine (111-42-2)	
BCF Fish 1	(no significant bioconcentration)
Partition coefficient n-octanol/water (Log Pow)	-2.46 (at 25 °C at pH 6.8-7.3)

12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (CONTAINS : D-Limonene)
Hazard Class : 9
Identification Number : UN3077
Label Codes : 9
Packing Group : III
Marine Pollutant : Marine pollutant
ERG Number : 171



14.2. In Accordance with IMDG

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (CONTAINS : D-Limonene)
Hazard Class : 9
Identification Number : UN3077
Label Codes : 9
Packing Group : III
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-F
Marine pollutant : Marine pollutant



14.3. In Accordance with IATA

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (CONTAINS : D-Limonene)
Hazard Class : 9
Identification Number : UN3077
Label Codes : 9
Packing Group : III
ERG Code (IATA) : 9L



14.4. In Accordance with TDG

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (CONTAINS : D-Limonene)
Hazard Class : 9
Identification Number : UN3077
Label Codes : 9
Packing Group : III
Marine Pollutant (TDG) : Marine pollutant



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SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

Dottie Tuff Towels®	
SARA Section 311/312 Hazard Classes	Health hazard - Respiratory or skin sensitization Health hazard - Serious eye damage or eye irritation
D-Limonene (5989-27-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Pentanedioic acid, 1,5-dimethyl ester (1119-40-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Hexanedioic acid, 1,6-dimethyl ester (627-93-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Butanedioic acid, dimethyl ester (106-65-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
SARA Section 313 - Emission Reporting	1 %
Diethanolamine (111-42-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	100 lb
SARA Section 313 - Emission Reporting	1 %

15.2. US State Regulations

California Proposition 65

 **WARNING:** This product can expose you to Diethanolamine, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Diethanolamine (111-42-2)	X			

Diethanolamine (111-42-2)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

15.3. Canadian Regulations

D-Limonene (5989-27-5)
Listed on the Canadian DSL (Domestic Substances List)
Pentanedioic acid, 1,5-dimethyl ester (1119-40-0)
Listed on the Canadian DSL (Domestic Substances List)
Hexanedioic acid, 1,6-dimethyl ester (627-93-0)
Listed on the Canadian DSL (Domestic Substances List)
Butanedioic acid, dimethyl ester (106-65-0)
Listed on the Canadian DSL (Domestic Substances List)
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)
Listed on the Canadian DSL (Domestic Substances List)
Diethanolamine (111-42-2)
Listed on the Canadian DSL (Domestic Substances List)

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SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 10/31/2022

Revision

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

GHS Full Text Phrases:

H226	Flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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