

# Safety Data Sheet

## Cleaning Wipes

Issuing Date 11-Aug-2014

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Revision Number 1

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

Product Name Definitive Solution

**Other means of identification**

Product Code PC105  
UN-No UN3295

**Recommended use of the chemical and restrictions on use**

Recommended Use Technical cleaning solvent.

**Details of the supplier of the safety data sheet**

**Manufacturer Address**

Definitive Solution  
24307 Magic Mountain  
Pkwy #257  
Valencia, CA 91355  
USA

**Emergency Telephone Number**

Company Phone Number +1-805-304-0162  
Emergency Telephone Number Poison Control Center USA 1-800-222-1222  
Poison Control Ontario CAN 1-416-813-5900  
Poison Control MEX dial 066

### 2. HAZARDS IDENTIFICATION

**Classification**

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable Liquid and vapor	Category 3

**Label Elements**

#### EMERGENCY OVERVIEW

**DANGER**

**Hazard statements**

May be fatal if swallowed and enters airways  
Causes skin irritation  
Causes serious eye irritation  
May cause drowsiness or dizziness  
May cause an allergic skin reaction  
Very toxic to aquatic life with long lasting effects  
Flammable liquid and vapor



Appearance Clear

Physical State Liquid

Odor Characteristic

**Precautionary Statements - Prevention**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Use only in a well-ventilated area

Wear eye/face protection

Wear protective gloves

Avoid breathing vapors or mists

Take precautionary measures against static discharge

Avoid release to the environment

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing if eye irritation persists: Get medical advice/attention

IF ON SKIN: Rinse exposed skin with plenty of water. If skin irritation occurs: get medical advice/attention.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Get medical advice/attention if you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Seek immediate medical attention.

In case of fire: Use CO<sub>2</sub>, dry chemical, ABC fire extinguisher, or foam for extinction**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local regulation

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
D-Limonene	5989-27-5	10 - 30
Isoparaffinic Hydrocarbon	64742-48-9	30 - 60
Propylene glycol propyl ether	1569-01-3	30 - 60

### 4. FIRST AID MEASURES

**FIRST AID MEASURES****Eye contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, call a physician.

**Skin contact**

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention.

**Inhalation**

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

**Ingestion**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Seek immediate medical attention.

**Protection of First-aiders**

Use personal protective equipment.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Irritation or pain in contact with skin or eyes. Skin irritation, allergic reaction.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Dry chemical. Foam. Carbon dioxide. Water. Class ABC/BC fire extinguisher.

**Unsuitable extinguishing media** None identified.

**Specific hazards arising from the chemical** Discarded towels or wipes soaked with solvent may smolder if not properly contained.

**Hazardous combustion products** Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** Yes.

**Protective equipment and precautions for firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions**

**Environmental precautions** Prevent release to surface water.

**Methods and material for containment and cleaning up**

**Methods for Containment** Dike to collect large liquid spills. Avoid release to the environment.

**Methods for Cleaning Up** Absorb with inert material and transfer to containers for later disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Wear personal protective equipment. Avoid contact with skin, eyes, and clothing. Do not breathe vapors or spray mist. Take precautionary measures against static discharges.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible materials** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines**                      Manufacturer recommended exposure limit (8-hour TWA) for CAS 64742-48-9: 171 ppm, 1200 mg/m<sup>3</sup>.

**Appropriate engineering controls**

**Engineering Measures**                      Showers  
 Eyewash stations  
 Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection**                      Safety glasses with side-shields.

**Skin and Body Protection**                      Long sleeved clothing.

**Respiratory Protection**                      In case of inadequate ventilation wear respiratory protection.

**Hygiene Measures**                      Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Characteristic
<b>Appearance</b>	Clear	<b>Odor threshold</b>	Not determined
<b>Color</b>	Colorless		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
pH		Not Applicable	
Melting point/freezing point		Not determined	
Boiling point/boiling range	> 150 °C / > 300 °F		
Flash Point	41 °C / 105 °F	Closed cup	
Evaporation Rate		Not determined	
Flammability (solid, gas)		Flammable liquid and vapor	
Flammability Limits in Air		Published data for d-Limonene	
Upper flammability limits	8.1%		
Lower Flammability Limit	0.7%		
Vapor pressure	1.5	mm Hg	
Vapor Density	>1	(air = 1)	
Specific Gravity	0.8		
Water Solubility	Partially soluble		
Solubility in other solvents		Not determined	
Partition coefficient		Not Applicable	
Autoignition Temperature		Not determined	
Decomposition temperature		Not determined	
Kinematic viscosity	1.6 cps	@ 25 °C	
Dynamic viscosity		Not determined	
Explosive Properties	None		
Oxidizing Properties	None		

**Other Information**

## 10. STABILITY AND REACTIVITY

**Reactivity**

Not reactive

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to Avoid**

Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible materials**

Strong oxidizing agents.

**Hazardous Decomposition Products**

None identified.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	May cause drowsiness and dizziness.
<b>Eye contact</b>	Irritating to eyes.
<b>Skin contact</b>	Irritating to skin. May cause sensitization by skin contact.
<b>Ingestion</b>	Potential for aspiration if swallowed.

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
D-Limonene 5989-27-5	= 4400 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	-
Isoparaffinic Hydrocarbon 64742-48-9	> 5000 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	n/a
Propylene glycol propyl ether 1569-01-3	= 2490 mg/kg ( Rat ) = 2504 mg/kg ( Rat )	= 3550 mg/kg ( Rabbit )	n/a

**Information on toxicological effects**

**Symptoms** Swelling/redness in contact with skin or eyes.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Irritating to skin.  
**Serious eye damage/eye irritation** Irritating to eyes.  
**Sensitization** Repeated or prolonged contact may cause allergic reactions in very susceptible persons.  
**Mutagenic Effects** No known hazard.  
**Carcinogenicity** Contains no listed human carcinogens at greater than 0.1%.

**Reproductive Toxicity** No known hazard.

**Developmental Toxicity** No known hazard.  
**Teratogenic** No known hazard.  
**STOT - single exposure** Inhalation of vapors may cause dizziness and drowsiness.

**STOT - repeated exposure** No known hazard.  
**Aspiration hazard** May be fatal if swallowed and enters airways.

**Numerical measures of toxicity-Product Information** Not determined

**12. ECOLOGICAL INFORMATION**



**Ecotoxicity**

Very toxic to aquatic life

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
D-Limonene 5989-27-5		LC50= 35 mg/L Oncorhynchus mykiss 96 h LC50 0.619 - 0.796 mg/L Pimephales promelas 96 h		
Isoparaffinic Hydrocarbon		LC50= 2200 mg/L Pimephales promelas 96 h		

**Persistence and degradability**

No data available.

**Bioaccumulation/Accumulation**

d-Limonene BCF: &gt; 500

**Mobility**

After release, disperses into the air.

**Other Adverse Effects**

None identified

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

Waste Disposal Method	Dispose of in accordance with local regulations.
Contaminated Packaging	Dispose of in accordance with local regulations.
US EPA Waste Number	D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
D-Limonene 5989-27-5	Toxic

**14. TRANSPORT INFORMATION****DOT**

UN-No	UN3295
Proper Shipping Name	Hydrocarbons, Liquid, N.O.S.
Hazard Class	3
Packing Group	III
Special Provisions	Refer to published regulation.

**IATA**

UN-No	UN3295
Proper Shipping Name	Hydrocarbons, Liquid, N.O.S.
Hazard Class	3
Packing Group	III
Special Provisions	Refer to published regulation.

**IMDG / IMO**

UN-No	UN3295
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Proper Shipping Name	Hydrocarbons, Liquid, N.O.S.
Hazard Class	3
Packing Group	III
Special Provisions	Refer to the current IMDG regulation.
Marine Pollutant	Yes
Description	d-Limonene

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Complies
DSL	Complies
EINECS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

### U.S. Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

#### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### U.S. State Regulations

#### U.S. State Right-to-Know Regulations

## 16. OTHER INFORMATION

<b>NFPA</b>	Health Hazard 1	Flammability 2	Instability 0	Physical and Chemical Hazards n/a
<b>HMIS</b>	Health Hazard 1	Flammability 2	Physical hazards 0	Personal Precautions E

Prepared by Product Steward

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Revision Note

Updated format

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of SDS**