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Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** Daley Pro 2 Spotter

**Swisher number** DA1882CH1Q6  
**Reference number** 1882CH1Q6 1887CGH1-2 1887CH1Q6 1882FH32  
**Distributor number**

**UN/ID No** NA1993

**Recommended use** Laundry Spotter

**Distributor** Daley International  
 4100 W. 76th Street,  
 Chicago, IL 60652

**Company Emergency Phone Number**  
 773-284-6565

**Chemical Emergency Phone Number** INFOTRAC 1-352-323-3500 (International)  
 1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

### WARNING

#### Emergency Overview

Flammable liquid and vapor  
 Harmful by inhalation, in contact with skin and if swallowed  
 Irritating to eyes and skin  
 Environmental hazard

**Appearance** Clear Blue, Liquid

**Physical state** Liquid.

**Odor** Citrus, Petroleum solvent



#### OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### Potential Health Effects

#### Principle Routes of Exposure

Ingestion, Inhalation, Eye Contact, Skin Contact

#### Acute toxicity

**Eyes**

Irritating to eyes

**Skin**

Irritating to skin Repeated or prolonged skin contact may cause allergic reactions with susceptible persons May be absorbed through the skin in harmful amounts

<b>Inhalation</b>	May cause irritation of respiratory tract May cause central nervous system depression with nausea, headache, dizziness, and incoordination
<b>Ingestion</b>	Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis and delayed pulmonary edema May cause additional affects as listed under "Inhalation"
<b>Chronic Effects</b>	Repeated contact may cause allergic reactions in very susceptible persons Repeated or prolonged overexposure to solvents may cause permanent damage to the nervous system
<b>Aggravated Medical Conditions</b>	Pre-existing eye, skin and respiratory disorders.
<b>Environmental hazard</b>	Very toxic to aquatic organisms See Section 12 for additional Ecological Information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical Name	CAS-No	Weight %
Petroleum distillates, hydrotreated light	64742-47-8	< 60%
D-Limonene	5989-27-5	< 10%
2-Butoxyethanol	111-76-2	< 7%

### 4. FIRST AID MEASURES

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes
<b>Inhalation</b>	Remove to fresh air. If qualified give oxygen or artificial respiration as needed and/or seek medical help.
<b>Ingestion</b>	DO NOT induce vomiting. Give large amounts of water if victim is conscious. Never give anything by mouth to an unconscious person. Get medical attention immediately.
<b>Notes to physician</b>	Treat symptomatically
<b>Protection of First-aiders</b>	Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Flammable liquid and vapor
<b>Flash point Method</b>	(based on components) > 122 °F / > 50 °C TCC
<b>Suitable Extinguishing Media</b>	Carbon dioxide (CO <sub>2</sub> ) Dry chemical Alcohol-resistant foam Use water spray only to cool containers
<b>Unsuitable Extinguishing Media</b>	This product contain alcohols which will reduce the effectiveness of normal foam. Use alcohol-resistant foam instead Do not use a solid water stream as it may scatter and spread fire Use water spray only to cool containers

**Hazardous Combustion Products** Carbon monoxide may be formed during combustion.

**Explosion Data**

**Sensitivity to Mechanical Impact** None.  
**Sensitivity to Static Discharge** None.

**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

<b>NFPA</b>	<b>Health Hazard 2</b>	<b>Flammability 2</b>	<b>Stability 1</b>	<b>Physical and chemical hazards -</b>
<b>HMIS</b>	<b>Health Hazard 2</b>	<b>Flammability 2</b>	<b>Physical Hazard 1</b>	<b>Personal protection -</b>

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) Avoid contact with skin, eyes and clothing Use personal protective equipment Ensure adequate ventilation

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas.

**Methods for Containment** Prevent further leakage or spillage if safe to do so Contain spill with inert, non-combustible materials

**Methods for cleaning up** Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

## 7. HANDLING AND STORAGE

**Advice on safe handling** Keep away from heat, sparks and open flame. No smoking Do not eat, drink or smoke when using this product Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water

**Technical measures/Storage conditions** Keep container in cool well-ventilated area. Keep container tightly closed. Store away from incompatible materials. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** Review Section 3 & 4 for Exposure Guidelines.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>

*NIOSH IDLH: Immediately Dangerous to Life or Health*

**Engineering Measures** Ensure adequate ventilation, especially in confined areas Ensure that eyewash stations and safety showers or an equivalent method of decontamination are close to the work location

**Personal Protective Equipment Institutional Environment**

**Eye/Face Protection** See recommendations for Industrial Environment.  
**Consumer Environments** Care should be taken to avoid Eye contact.  
**Skin and body protection** See recommendations for Industrial Environment.  
**Respiratory protection** Ensure adequate ventilation See recommendations for Industrial Environment  
**Hygiene measures** Practice good personal hygiene. Wash after handling.

**Personal Protective Equipment Industrial Environment**

<b>Eye/Face Protection</b>	Splash-proof chemical goggles or face shield.
<b>Skin and body protection</b>	Solvent-resistant apron and boots Solvent-proof gloves
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
<b>Hygiene measures</b>	Wash hands and face before breaks and immediately after handling the product

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	Liquid		
<b>Appearance</b>	Clear Blue Liquid	<b>Odor</b>	Citrus Petroleum solvent
<b>Color</b>	Blue		
<b>Property</b>	<b>Values</b>	<b>Remarks</b>	<b>Methods</b>
<b>pH</b>		No information available	
<b>Melting/freezing point</b>	~ -50 °C / -59 °F	Liquid	
<b>Freezing Point</b>	~ -50 / approx -59	Freezing point °F (°F) DEGREES	
Estimated		<b>Boiling point/boiling range</b>	~ 205 °C / 400 °F
		<b>Flash Point</b>	> 50 °C / > 122 °F
TCC		<b>Evaporation rate</b>	
No information available		<b>Flammability (solid, gas)</b>	
No information available		<b>Flammability Limits in Air</b>	
No information available		<b>upper flammability limit</b>	
		<b>lower flammability limit</b>	
		<b>Explosion Limits</b>	
		<b>upper</b>	
		<b>lower</b>	
No information available		<b>Vapor pressure</b>	
No information available		<b>Vapor density</b>	
		<b>Specific Gravity</b>	0.880 ± 0.005
		<b>Water solubility</b>	Emulsifies
		Organic Solvent	

### 9.2 Other information

**VOC Content(%)** < 20%

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Incompatible products</b>	Strong oxidizing agents Strong acids
<b>Conditions to Avoid</b>	Keep away from open flames, hot surfaces and sources of ignition
<b>Hazardous Decomposition Products</b>	Irritating and toxic gases or fumes may be released during a fire.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

<b>Product Information</b>	Harmful by inhalation, in contact with skin and if swallowed.
<b>Inhalation</b>	Inhalation of vapors in high concentration may cause irritation of the respiratory system May cause central nervous system depression with nausea, headache, dizziness, and incoordination
<b>Eye contact</b>	Irritating to eyes.
<b>Skin contact</b>	Irritating to skin Repeated or prolonged skin contact may cause allergic reactions with susceptible persons May be absorbed through the skin in harmful amounts
<b>Ingestion</b>	Petroleum products have to be classified as harmful due to the aspiration hazard when the viscosity is less than 7 mm <sup>2</sup> /s at 40°C Aspiration may cause pulmonary edema and pneumonitis Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea May cause additional affects as listed under "Inhalation"

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, hydrotreated light	5000 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	5.2 mg/L ( Rat ) 4 h
D-Limonene	4400 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	
2-Butoxyethanol	470 mg/kg ( Rat )	220 mg/kg ( Rabbit ) 2270 mg/kg ( Rat )	2.21 mg/L ( Rat ) 4 h 450 ppm ( Rat ) 4 h

### Chronic toxicity

**Chronic toxicity** Repeated contact may cause allergic reactions in very susceptible persons Repeated or prolonged overexposure to solvents may cause permanent damage to the nervous system

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
D-Limonene		Group 3		
2-Butoxyethanol	A3	Group 3		

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC: (International Agency for Research on Cancer)**

Group 3 - Not Classifiable as to Carcinogenicity in Humans

**Sensitization** Repeated or prolonged contact may cause allergic reactions in very susceptible persons.

**Target Organ Effects** Central nervous system

## 12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a marine pollutant according to DOT. Alcohol C12-C16 poly (1-6) ethoxylate.

### Ecotoxicity

Very Toxic to aquatic organisms. Information available upon request.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates

Petroleum distillates, hydrotreated light		2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static 45: 96 h Pimephales promelas mg/L LC50 flow-through		4720: 96 h Den-dronereides heteropoda mg/L LC50
D-Limonene		0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50		
2-Butoxyethanol		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50		1698 - 1940: 24 h Daphnia magna mg/L EC50 >1000: 48 h Daphnia magna mg/L EC50

Chemical Name	log Pow
2-Butoxyethanol	0.81

### 13. DISPOSAL CONSIDERATIONS

#### Waste Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

#### Contaminated packaging

Do not re-use empty containers

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	Toxic

### 14. TRANSPORT INFORMATION

#### DOT

<b>Proper shipping name</b>	Regulated Combustible liquid, n.o.s. (Terpenes)
<b>Hazard class</b>	3
<b>UN/ID No</b>	NA1993
<b>Packing Group</b>	III
<b>Marine Pollutant</b>	This product contains a chemical which is listed as a marine pollutant according to DOT. Alcohol C12-C16 poly (1-6) ethoxylate.
<b>Emergency Response Guide Number</b>	127
<b>Proper shipping name</b>	Flammable liquid, n.o.s. (Terpenes)
<b>Hazard class</b>	3
<b>UN/ID No</b>	1993
<b>Packing Group</b>	3

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	TSCA
<b>DSL</b>	Complies
<b>NDSL</b>	Complies
<b>EINECS</b>	-
<b>ELINCS</b>	-
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**TSCA** - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

**DSL/NDSL** - 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 contains a chemical or 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

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	Yes
<b>Sudden Release of Pressure Hazard</b>	no
<b>Reactive Hazard</b>	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

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

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

**International Regulations**

Chemical Name	Carcinogen Status	Exposure Limits
2-Butoxyethanol		Mexico: TWA 26 ppm Mexico: TWA 120 mg/m <sup>3</sup> Mexico: STEL 75 ppm Mexico: STEL 360 mg/m <sup>3</sup>

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Chemical Name	NPRI
2-Butoxyethanol	X

**Legend**

NPRI - National Pollutant Release Inventory  
X - Listed

**16. OTHER INFORMATION**

<b>Prepared By</b>	Daley International 4100 West 76th Street Chicago, IL 60652	<b>Issuing date</b>	20-Nov-2012	<b>Revision Date</b>	28-Nov-2012
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**Revision Note** Initial Release.

**Disclaimer**

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text

**Safety Data Sheet**