

**PRO CHEM, INC.**

1475 BLUEGRASS LAKES PKWY.  
ALPHARETTA, GA 30004  
EMERGENCY/INFO # (800) 241-8180  
ADDITIONAL EMERGENCY # INFO TRAC 1-800-535-5053

**MATERIAL SAFETY DATA SHEET****SPOTLESS / 1884****JUNE 2013****PAGE 1**

HEALTH	1
FIRE	2
REACTIVITY	0
P.P.E.	B

Complies With USDL Safety and Health Regulations, (29 CFR 1910.200)

**SECTION 1 – Chemical and Company Identification****PRODUCT USE:** Spot Remover**SECTION 2 – Hazards Information****EMERGENCY OVERVIEW:**

CAUTION  
MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.  
CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF  
HEATED.

**POTENTIAL HEALTH EFFECTS:**

See Section 11 for more information.

**ROUTES OF ENTRY:**

Skin contact, eye contact, inhalation, and ingestion.

**EYES:**

May cause eye irritation.

**SKIN:**

May cause skin irritation.

**INHALATION:**

May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis.

**INGESTION:**

Not a normal route of exposure. Harmful: may cause lung damage if swallowed.

**TARGET ORGANS:**

Skin, eyes, gastrointestinal tract, respiratory system.

**CHRONIC/LONG TERM EFFECTS:**

Prolonged or repeated contact may dry skin and cause irritation.

**SIGNS AND SYMPTOMS:**

Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

**MEDICAL CONDITIONS****AGGRAVATED BY EXPOSURE:****POTENTIAL ENVIRONMENTAL****EFFECTS:**

May cause long-term adverse effects in the aquatic environment.

See Section 12 for more information.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**SECTION 3 – Composition on Ingredients**

COMPONENTS	CAS #	% BY WGT.
Propane	74-98-6	1 - 5
Isopropanol	67-63-0	5 - 10
Acetone	67-64-1	1 - 5
Alkyl polyglycosides	68515-73-1 / 110615-47-9	1 - 5
Propylene glycol phenyl ether	770-35-4	1 - 5
Diethylene glycol monobutyl ether	112-34-5	5 - 10
Butane	106-97-8	5 - 10

**SECTION 4 – First Aid Measures****FIRST AID PROCEDURES:**

**EYE CONTACT:** In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn.

**SKIN CONTACT:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

**INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**INGESTION:**

If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**NOTES TO PHYSICIAN:** Symptoms may not appear immediately.

**GENERAL ADVICE:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

**SECTION 5 – Fire Fighting Measures****FLAMMABILITY:**

Not flammable by OSHA criteria.

**FLASH POINT:**

Not available.

**SUITABLE EXTINGUISHING MEDIA:**

Powder, water spray, foam, carbon dioxide.

**UNSUITABLE EXTINGUISHING MEDIA:**

Not available.

**PRODUCTS OF COMBUSTION:**

May include, and are not limited to: oxides of carbon.

**EXPLOSION DATA:**

**SENSITIVITY TO MECHANICAL IMPACT:** Not available.

**SENSITIVITY TO STATIC DISCHARGE:** Not available.

**PROTECTION OF FIREFIGHTERS:**

Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

**SECTION 6 – Accidental Release Measures****PERSONAL****PRECAUTIONS:**

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

**ENVIRONMENTAL****PRECAUTIONS:**

Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**METHODS FOR****CONTAINMENT:**

Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**METHODS FOR****CLEAN UP:**

Allow gas to dissipate harmlessly into the atmosphere.

**OTHER****INFORMATION:**

Not available.

**SECTION 7 – Handling and Storage****PRECAUTIONS OF****SAFE HANDLING:**

Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

**CONDITIONS FOR****SAFE STORAGE,****INCLUDING****INCOMPATIBILITIES:**

Keep out of the reach of children. Keep container in a well-ventilated place. Do not store at temperatures above 49 °C / 120 °F.

**SECTION 8 – Exposure Controls/Personal Protection****PERSONAL PROTECTIVE EQUIPMENT:****EYE/ FACE PROTECTION:**

Wear eye/face protection.

**HAND PROTECTION:**

Wear suitable gloves.

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**SKIN AND BODY PROTECTION:**

Wear suitable protective clothing.

**RESPIRATORY PROTECTION:**

In case of insufficient ventilation, wear suitable respiratory equipment.

**ENGINEERING CONTROLS:**

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

**GENERAL HYGIENE CONSIDERATIONS:**

Handle according to established industrial hygiene and safety practices.

**EXPOSURE GUIDELINES:****EXPOSURE LIMITS:**

INGREDIENT	OSHA- PEL	ACGIH- TLV
Propane	1000 ppm	1000 ppm
Isopropanol	400 ppm	200 ppm
Acetone	750 ppm	500 ppm
Alkyl polyglycosides	Not available.	Not available.
Propylene glycol phenyl ether	Not available.	Not available.
Diethylene glycol monobutyl ether	Not available.	Not available.
Butane	Not available.	800 ppm

**SECTION 9 – Physical and Chemical Properties**

<b>APPEARANCE:</b>	Clear.	<b>VAPOR PRESSURE [MMHG]:</b>	Not available.
<b>COLOR:</b>	Colorless.	<b>VAPOR DENSITY [AIR=1]:</b>	Not available.
<b>ODOR:</b>	Characteristic	<b>PERCENT VOLATILE, WT. %:</b>	Not available.
<b>ODOR THRESHOLD:</b>	Not available.	<b>SOLUBILITY IN WATER:</b>	Partial.
<b>PHYSICAL STATE:</b>	Gas/Pressurized Liquid.	<b>VISCOSITY:</b>	Not available.
<b>pH:</b>	8.5 – 9.5	<b>COEFFICIENT OF WATER/OIL DISTRIBUTION:</b>	Not available.
<b>MELTING POINT:</b>	Not available.	<b>VOC CONTENT, WT. %:</b>	14.6% (US federal/CARB/OTC/LADCO)
<b>FREEZING POINT:</b>	Not available.	<b>VOC CONTENT G/L</b>	Not available.
<b>BOILING POINT:</b>	Not available.	<b>AUTOIGNITION TEMPERATURE:</b>	Not available.
<b>FLAMMABILITY (HOC):</b>	Not available.	<b>FLASH POINT:</b>	Not available.
<b>UPPER LIMITS:</b>	Not available.	<b>SPECIFIC GRAVITY:</b>	0.991 (Concentrate Only)
<b>LOWER LIMITS:</b>	Not available.	<b>FLASH POINT:</b>	Not available.
		<b>EVAPORATION RATE (Butyl Acetate=1):</b>	Not available.

**SECTION 10 – Stability and Reactivity**

<b>STABILITY:</b>	Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.
<b>INCOMPATIBILITY:</b>	Oxidizers.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	May include, and are not limited to: oxides of carbon.

**CONDITIONS TO AVOID:**

Heat. Incompatible materials.

**POSSIBILITY OF HAZARDOUS REACTIONS:**

No dangerous reaction known under conditions of normal use.

**SECTION 11 – Toxicological Information****EFFECTS OF ACUTE EXPOSURE****COMPONENT ANALYSIS:**

Ingredient	LD50 (oral)	LC50
Propane	Not available.	658 mg/L 4hr, rat
Isopropanol	4396 mg/kg, rat	72.6 mg/L 4 hr, rat;
Acetone	5800 mg/kg, rat	Not available.
Alkyl polyglycosides	Not available.	Not available.
Propylene glycol phenyl ether	2830 mg/kg, rat	Not available.
Diethylene glycol monobutyl ether	3384 mg/kg, rat	Not available.
Butane	Not available.	658 mg/L 4hr, rat

**EYE:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.**SKIN:** May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.**INGESTION:** Not a normal route of exposure. Harmful: may cause lung damage if swallowed.**INHALATION:** May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis.**EFFECTS OF CHRONIC EXPOSURE****TARGET ORGANS:** Not available.**CHRONIC EFFECTS:** Not hazardous by OSHA criteria.**CARCINOGENICITY:** Not hazardous by OSHA criteria.

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen *
Propane	Not listed.
Isopropanol	G-A4, I -3
Acetone	G-A4
Alkyl polyglycosides	Not listed.
Propylene glycol phenyl ether	Not listed.
Diethylene glycol monobutyl ether	Not listed.
Butane	Not listed.

\* See Section 15 for more information.

**MUTAGENICITY:** Not hazardous by OSHA criteria.**REPRODUCTIVE EFFECTS:** Not hazardous by OSHA criteria.**DEVELOPMENTAL EFFECTS:****TERATOGENICITY:** Not hazardous by OSHA criteria.**EMBRYOTOXICITY:** Not hazardous by OSHA criteria.**RESPIRATORY SENSITIZATION:** Not hazardous by OSHA criteria.**SKIN SENSITIZATION:** Not hazardous by OSHA criteria.**TOXICOLOGICALLY SYNERGISTIC MATERIALS:** Not available.

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**SECTION 12 – Ecological Information**

**ECOTOXICITY:** May cause long-term adverse effects in the aquatic environment  
**PERSISTENCE / DEGRADABILITY:** Not available.  
**BIOACCUMULATION / ACCUMULATION:** Not available.  
**MOBILITY IN ENVIRONMENT:** Not available.

**SECTION 13 – Disposal Consideration**

**WASTE DISPOSAL METHOD:** This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

**SECTION 14 – Transport Information****DEPARTMENT OF TRANSPORTATION (DOT) REQUIREMENTS**

<b>PROPER SHIPPING NAME:</b>	N/A	<b>PACKAGING NON BULK:</b>	N/A
<b>HAZARD CLASS:</b>	ORM-D	<b>PACKAGING BULK:</b>	N/A
<b>SUBSIDIARY HAZARD CLASS:</b>	N/A	<b>UN NUMBER:</b>	N/A
<b>PACKAGING EXCEPTIONS:</b>	N/A	<b>PACKING GROUP:</b>	N/A

**SECTION 15 – Regulatory Information****US FEDERAL REGULATIONS:**

**US:** MSDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200).

**SARA Title III**

Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
Propane	Not listed.	Not listed.	Not listed.	Not listed.
Isopropanol	Not listed.	Not listed.	Not listed.	Yes.
Acetone	Not listed.	Not listed.	5000	313
Alkyl polyglycosides	Not listed.	Not listed.	Not listed.	Not listed.
Propylene glycol phenyl ether	Not listed.	Not listed.	Not listed.	Not listed.
Diethylene glycol monobutyl ether	Not listed.	Not listed.	Not listed.	Not listed.
Butane	Not listed.	Not listed.	Not listed.	Not listed.

**GLOBAL INVENTORIES**

	<b>USA TSCA</b>
Propane	Yes.
Isopropanol	Yes.
Acetone	Yes.
Alkyl polyglycosides	Yes.
Propylene glycol phenyl ether	Yes.
Diethylene glycol monobutyl ether	Yes.
Butane	Yes.
Propane	Yes.

**HMIS® Ratings:** Health: 1, Flammability: 2, Physical Hazard: 0, Personal Protection: B

**NFPA Ratings:** Health: 1, Fire: 2, Reactivity : 0

**Hazard Rating:**

0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

**SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**

**OSHA (O)** Occupational Safety and Health Administration.  
**ACGIH (G)** American Conference of Governmental Industrial Hygienists.  
A1 - Confirmed human carcinogen.  
A2 - Suspected human carcinogen.  
A3 - Animal carcinogen.

A4 - Not classifiable as a human carcinogen.  
A5 - Not suspected as a human carcinogen.

**IARC (I)**

International Agency for Research on Cancer.

1 - The agent (mixture) is carcinogenic to humans.

2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.

3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.

4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

**NTP (N)**

National Toxicology Program.

1 - Known to be carcinogens.

2 - Reasonably anticipated to be carcinogens.

**SECTION 16 – Other Information****Disclaimer:**

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

**MSDS Sections Updated:** New SDS

**Prepared by:** Kyla DeWees

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