

## MATERIAL SAFETY DATA SHEET

### 1. Product And Company Identification

PRODUCT NAME: 12 Oz. Granite Cleaner  
ITEM NUMBER: S7447B01F

MANUFACTURER NAME: Jelmar, LLC  
MANUFACTURER ADDRESS: 550 W. Touhy Ave.  
Suite 200  
Skokie, IL 60077  
MANUFACTURER PHONE NUMBER: 1-800-323-5497

MSDS DATE OF PREPARATION: 12/1/09

PRODUCT USE: Granite Cleaner - consumer product

### 2. Composition/Information on Ingredients

Clear, colorless liquid with a citrus odor packaged as an aerosol product.

#### EMERGENCY OVERVIEW

Contents Under Pressure. Heated can may rupture. Eye irritant. Inhalation of high concentrations may cause headache, dizziness, drowsiness, nausea, narcosis and unconsciousness. Deliberate concentration and inhalation of vapors may be harmful or fatal. May be harmful if absorbed through the skin.

### 3. Hazards Identification

Component	CAS No.	Amount
1-Propoxy-2-Propanol	1569-01-3	1-5%
Propane-Butane Propellant	74-98-6 / 106-97-8	1-5%

(See Section 8 for Exposure Limits)

### 4. First Aid Measures

**INHALATION:** If symptoms of exposure develop, remove to fresh air. Seek medical attention if symptoms persist.

**SKIN CONTACT:** Remove contaminated clothing. Wash all affected and exposed areas with soap and water. If irritation or redness persists, seek medical attention.

**EYE CONTACT:** Exposed eyes should be immediately flushed with copious amounts of water using a steady stream for a minimum of 15 minutes. If irritation, pain, swelling or tearing persists, seek medical attention.

**INGESTION:** Unlikely route of exposure with an aerosol container. If swallowed, get medical attention by calling Poison Control Center or hospital emergency room. If medical advice cannot be obtained, then take the person and product to the nearest medical emergency treatment center or hospital. Rinse mouth out with water. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or drowsy.

### 5. Firefighting Measures

**EXTINGUISHING MEDIA:** Use carbon dioxide, dry chemical or alcohol foam, foam or water fog. Cool fire exposed containers with water.

**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored. Protect against rupturing cans.

**UNUSUAL FIRE HAZARDS:** Aerosol cans may explode when exposed to extreme heat. Liquid inside container will not support combustion.

**HAZARDOUS COMBUSTION PRODUCTS:** Burning may produce carbon monoxide.

#### 6: Accidental Release Measures

Eliminate all ignition sources. Ventilate area. Wear appropriate protective clothing and equipment (See Section 8). Collect with absorbent material and place in appropriate container for disposal.

#### 7. Handling and Storage

Avoid eye and prolonged skin contact.  
Avoid breathing vapors or mists.  
Use with adequate ventilation.  
Wash exposed skin thoroughly with soap and water after use.  
Contents under pressure.  
Contains Flammable Propellant.  
Keep container away from heat, sparks, open flames and all other sources of ignition.  
Do not smoke during use or until product is dry and vapors have dissipated.  
Store product below 120°F.  
Store in a well ventilated area.  
Do not puncture or incinerate containers.

**AEROSOL FIRE PROTECTION LEVEL:** Level 1 (NFPA 30B)

#### 8. Exposure Controls / Personal Protection

##### EXPOSURE LIMITS

CHEMICAL	EXPOSURE LIMIT
1-Propoxy-2-Propanol	None Established
Propane-Butane Propellant (as aliphatic hydrocarbon gas)	1000 ppm TWA ACGIH TLV 1000 ppm TWA OSHA PEL

**VENTILATION:** Use local exhaust as required to maintain exposures below the occupational exposure limits.

**RESPIRATORY PROTECTION:** None usually required for normal, consumer use. Where concentrations are excessive and irritation develops, a NIOSH approved respirator with organic vapor cartridges with a dust/mist prefilter or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select and use in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

**GLOVES:** Chemical resistant gloves such as neoprene if needed to avoid prolonged contact.

**EYE PROTECTION:** Do not spray in eyes. Safety glasses if needed to avoid eye contact.

**OTHER PROTECTIVE EQUIPMENT/CLOTHING:** Appropriate protective clothing as needed to minimize skin contact.

#### 9. Physical and Chemical Properties

**APPEARANCE AND ODOR:** Clear, colorless liquid with a citrus odor packaged as an aerosol product.

pH: Not Applicable	SPECIFIC GRAVITY: Not determined
BOILING POINT: Not determined	VAPOR PRESSURE: Not determined
FREEZING POINT: Not determined	VAPOR DENSITY: Not determined
SOLUBILITY IN WATER: Complete	EVAPORATION RATE: Not determined
PERCENT VOLATILE: Not determined	VISCOSITY: Not Applicable
FLASH POINT: -156°F (-10.4.4°C ) (Propellant)	AUTOIGNITION TEMP: Not determined
FLAMMABILITY LIMITS LEL: 1.3%	UEL: 16.9%
AEROSOL FLAME EXTENSION: None	
FLASHBACK: None	
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not determined	

### 10. Stability and Reactivity

STABILITY: Stable

CONDITIONS TO AVOID: Excessive heat and open flames. Avoid applying to hot surfaces.

INCOMPATIBILITY: Strong bases, oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning may produce carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

### 11. Toxicological Information

#### POTENTIAL HEALTH EFFECTS:

INHALATION: Inhalation of high concentrations may produce central nervous system effects including headache, dizziness, drowsiness, nausea, depressed respiration and heart rate, heart rhythm irregularities, shortness of breath, unconsciousness or death.

SKIN CONTACT: May cause irritation, seen as localized reddening and swelling. Contact with propellant under pressure may cause skin burns and frostbite.

SKIN ABSORPTION: May be harmful if absorbed through the skin.

EYE CONTACT: Liquid or vapors may be irritating, causing tearing, reddening and swelling accompanied by a stinging sensation.

INGESTION: This is an unlikely route of exposure with an aerosol product. Swallowing may cause gastrointestinal disturbances. Large amounts may cause central nervous system effects including headache, dizziness, drowsiness, loss of coordination and fatigue.

CHRONIC EFFECTS: Prolonged overexposure to 1-Propoxy-2-Propanol may cause liver and kidney damage.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with preexisting diseases of the heart or central nervous system may have increased susceptibility to the toxicity of excessive exposure to the product's propellant.

CARCINOGEN: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH, or OSHA.

#### Acute Toxicity Values:

1-Propoxy-2-propanol: LD50 Oral Rat: 2519 mg/kg  
LD50 Dermal Rat: 3818 mg/kg

Propane: No data available

n-Butane: LC50 Inhalation Rat: 648 gm/m<sup>3</sup>/4 hr

### 12. Ecological Information

1-Propoxy-2-propanol: LC50 96 hr Rainbow Trout: >100 mg/l  
LC50 48 hr Waterflea: >100 mg/l  
EC50 96 hr Green Algae: 1468 mg/l (growth inhibition)

### 13. Disposal Considerations

Dispose of product as hazardous waste (ignitable) in accordance with all local, state/provincial and federal regulations.

Do not incinerate container.

### 14. Transport Information

U.S. DOT HAZARD CLASSIFICATION (For Ground Shipments Only)

PROPER SHIPPING NAME: Consumer Commodity  
TECHNICAL NAME: N/A  
UN NUMBER: N/A  
HAZARD CLASS/PACKING GROUP: ORM-D  
LABELS REQUIRED: None

DOT MARINE POLLUTANTS: This product does not contain Marine Pollutants as defined in 49 CFR 171.8.

IMDG CODE SHIPPING CLASSIFICATION

DESCRIPTION: UN1950, AEROSOLS, CLASS 2.1, FP -104 C, LTD QTY  
ID NUMBER: UN1950  
HAZARD CLASS: 2.1  
PACKING GROUP: NONE  
LABELS REQUIRED: NONE  
MARKINGS REQUIRED: None  
PLACARDS REQUIRED: LIMITED QUANTITIES ON TRANSPORT CONTAINER  
Note: This product is exempted from marking the UN number (see IMDG Code 3.4.7)

CANADIAN TDG CLASSIFICATION (For Ground Shipments Only)

PROPER SHIPPING NAME: Consumer Commodity (Limited Quantity)  
TECHNICAL NAME: NONE  
UN NUMBER: NONE  
HAZARD CLASS: NONE  
PACKING GROUP: NONE

IATA/ICAO SHIPPING CLASSIFICATION:  
These products are not suitable for shipment by air.

### 15. Regulatory Information

EPA SARA 311/312 HAZARD CLASSIFICATION: Acute health, fire hazard, sudden release of pressure

EPA SARA 313: This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):  
None

PROTECTION OF STRATOSPHERIC OZONE: This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

CERCLA SECTION 103: This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

CALIFORNIA PROPOSITION 65: This product does not contain chemicals regulated under California Proposition 65.

EPA TSCA INVENTORY: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CANADIAN ENVIRONMENTAL PROTECTION ACT: All of the ingredients are listed on the Canadian Domestic Substances List.

CANADIAN WHMIS CLASSIFICATION: Class D - Division 2 - Subdivision B (Toxic material causing other toxic effects), Class B - Division 5 (Flammable Aerosol)



CANADIAN WHMIS HAZARD SYMBOLS:

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

<b>16. Other Information</b>
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NFPA RATING – FIRE: 4  
HMIS RATING – FIRE: 2

HEALTH: 1  
HEALTH: 1

INSTABILITY: 0  
PHYSICAL HAZARD: 0

REVISION SUMMARY: New MSDS.