

## BRILLIANT STAINLESS STEEL CLEANER

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	BRILLIANT STAINLESS STEEL CLEANER
<b>Recommended Use</b>	Stainless Steel Cleaner.
<b>Manufacturer</b>	Lawrason's, Inc, 460 Wyecroft Road, Oakville, Ontario, L6K 2G7, (905) 842-8300, <a href="http://www.Lawrasons.com">www.Lawrasons.com</a>
<b>Supplier Identifier</b>	Lawrason's, Inc, 460 Wyecroft Road, Oakville, Ontario, L6K 2G7, (905) 842-8300, <a href="http://www.Lawrasons.com">www.Lawrasons.com</a>
<b>Emergency Phone No.</b>	CANUTEC, 1-888-CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone
<b>SDS No.</b>	71741, 71742
<b>Date of Preparation</b>	February 01, 2017

### SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

#### Classification

Flammable aerosol - Category 1; Eye irritation - Category 2A; Skin sensitization - Category 1; Aspiration hazard - Category 1

#### Label Elements



Danger

#### Hazard Statement(s):

Extremely flammable aerosol.  
May be fatal if swallowed and enters airways.  
May cause an allergic skin reaction.  
Causes serious eye irritation.

#### Precautionary Statement(s):

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Do not spray on an open flame or other ignition source.  
Do not pierce or burn, even after use.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wash thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear eye protection/face protection.  
Wear protective gloves.

**Response:**

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

**Storage:**

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**Disposal:**

Dispose of contents and container in accordance with local, regional, national and international regulations.

**Other Hazards**

Combustible.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Hydrotreated kerosene	64742-47-8	30.00-60.00		
Propane	74-98-6	10.00-30.00		
Other components below reportable levels		10.00-30.00		
Acetone	67-64-1	7.00-13.00		
Methyl acetate	79-20-9	7.00-13.00		
Terpenes and Terpenoids, sweet orange-oil	68647-72-3	0.50-1.50		
Citral	5392-40-5	0.10-1.00		
Naphtha (petroleum), heavy alkylate	64741-65-7	0.10-1.00		

**Notes**

The exact percentage (concentration) of composition has been withheld as a trade secret.

**SECTION 4. FIRST-AID MEASURES****First-aid Measures****Inhalation**

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

**Skin Contact**

Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse skin with water or shower. If skin irritation or a rash occurs, get medical advice or attention.

**Eye Contact**

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 or attention.

**Ingestion**

Immediately call a Poison Centre or doctor. Rinse mouth with water. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again.

**First-aid Comments**

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Get medical advice or attention if you feel unwell or are concerned.

### Most Important Symptoms and Effects, Acute and Delayed

Aspiration may cause pulmonary edema and pneumonitis. Dizziness. May irritate or burn the eyes. Symptoms include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Carbon dioxide, dry chemical powder or appropriate foam.

#### Unsuitable Extinguishing Media

Water. Do not use water jet as an extinguisher, as this will spread the fire.

### Specific Hazards Arising from the Product

Pressurized container: May burst if heated. Extremely flammable aerosol.

In a fire, the following hazardous materials may be generated: very toxic carbon monoxide, carbon dioxide.

### Special Protective Equipment and Precautions for Fire-fighters

For a massive fire, immediately evacuate the area and use unmanned hose holder or monitor nozzles. Dust explosion hazard. Use water spray or fog to prevent dust formation and minimize risk of explosion. flammable or explosive atmosphere.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

### Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Stop or reduce leak if safe to do so. Use water fog or spray curtain to reduce amount of dust in air. Do not use absorbents. Contain spill using noncombustible material such as vermiculite, earth or sand.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Do not pierce or burn, even after use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing in this product. Avoid repeated or prolonged skin contact. Only use where there is adequate ventilation. Wear personal protective equipment to avoid direct contact with this chemical.

### Conditions for Safe Storage

Store in an area that is: cool, ventilated, out of direct sunlight and away from heat and ignition sources, separate from incompatible materials (see Section 10: Stability and Reactivity). Store in the original, labelled, shipping container.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Hydrotreated kerosene	Not established	Not established	200 mg/m3	Not established	Not established	Not established

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Propane	Not established	Not established	1000 ppm	Not established	Not established	Not established
Acetone	250 ppm	500 ppm	250 ppm	500 ppm	Not established	Not established
Methyl acetate	200 ppm	250 ppm	200 ppm	250 ppm	Not established	Not established
Citral	5 ppm	Not established	5 ppm	Not established	Not established	Not established

#### Individual Protection Measures

##### Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

##### Skin Protection

Wash hands and face thoroughly after handling and before eating, drinking, smoking or using the toilet. Wear chemical protective clothing e.g. gloves, aprons, boots.

##### Respiratory Protection

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Wear a NIOSH approved air-purifying respirator with an appropriate cartridge.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	compressed gas.
Odour	Not available
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	109.56 °F (43.09 °C) (estimated)
Flash Point	-156.0 °F (-104.4 °C) (estimated)
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	Not available
Solubility	Not available in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	605.29 °F (318.49 °C) (estimated)
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
Other Information	
Physical State	Gas

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

**Possibility of Hazardous Reactions**

Hazardous polymerization does not occur.

**Conditions to Avoid**

High temperatures. Incompatible materials.

**Incompatible Materials**

Strong oxidizing agents. Nitrates.

**Hazardous Decomposition Products**

None known.

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute Toxicity**

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Hydrotreated kerosene	> 4.6 mg/L (rat) (4-hour exposure)	> 5000 mg/kg (rat)	> 2000 mg/kg (rabbit)
Propane	1355 mg/L (rat)	Not available	Not available
Acetone	132 mg/L (rat) (2-hour exposure)	5800 mg/kg (rat)	> 7426 mg/kg (rabbit) (4-hour exposure)
Methyl acetate	98.4 mg/L (rabbit) (4-hour exposure)	6482 mg/kg (rat)	> 2000 mg/kg (rat) (4-hour exposure)
Citral	Not available	4895 mg/kg (rat)	2250 mg/kg (rabbit)

**Skin Corrosion/Irritation**

May cause moderate or severe irritation based on information for closely related materials.

**Serious Eye Damage/Irritation**

Causes serious eye irritation.

**STOT (Specific Target Organ Toxicity) - Single Exposure****Inhalation**

Not harmful.

**Ingestion**

Harmful if swallowed. Causes digestive tract burns. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

**Aspiration Hazard**

May be drawn into the lungs (aspirated) if swallowed or vomited.

**Respiratory and/or Skin Sensitization**

Not a respiratory sensitizer. Can cause an allergic reaction (skin sensitization) based on animal tests.

**Carcinogenicity**

Chemical Name	IARC	ACGIH®	NTP	OSHA
Hydrotreated kerosene	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed
Acetone	Not Listed	Not Listed	Not Listed	Not Listed
Methyl acetate	Not Listed	Not Listed	Not Listed	Not Listed
Citral	Not Listed	Not Listed	Not Listed	Not Listed

**Reproductive Toxicity****Development of Offspring**

Not known to harm the unborn child.

### Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

### Germ Cell Mutagenicity

Not known to be a mutagen.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Not harmful to aquatic life, terrestrial life, based on acute toxicity tests.

### Persistence and Degradability

No information was located.

### Mobility in Soil

No information was located.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

The container for this product can present explosion or fire hazards, even when emptied. Do not cut, puncture, or weld on or near this container. Dispose of contents and container in accordance with local, regional, national and international regulations. Do not reuse empty containers.

## SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1950	AEROSOLS, flammable	2.1	
IATA (Air)	1950	AEROSOLS, flammable	2.1	

### Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

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

#### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Listed on the DSL.

#### USA

#### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

## SECTION 16. OTHER INFORMATION

<b>NFPA Rating</b>	<b>Health - 1</b>	<b>Flammability - 1</b>	<b>Instability - 0</b>
<b>SDS Prepared By</b>	Technical Manager		
<b>Phone No.</b>	905-842-8300		
<b>Date of Preparation</b>	February 01, 2017		
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<b>Key to Abbreviations</b>	IARC = International Agency for Research on Cancer		

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<b>References</b>	CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).
<b>Additional Information</b>	All information is based upon our current knowledge and experience of our product and is not exhaustive. It applies to the product as defined by the specifications. In case of combinations of mixtures, one must confirm that no new hazards are likely to exist. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and integrity of the work environment. (Unless noted to the contrary, the technical information applies only to pure product). To our actual knowledge, the information contained herein is accurate as of the date of this document. However, neither Lawrason's, Inc. nor any of its affiliates makes any warranty, express or implied, or accepts any liability in connection with this information or its use. This information is for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. The user alone must finally determine suitability of any information or material for any contemplated use in compliance with applicable law, the manner of use and whether any patents are infringed. This information gives typical properties only and is not to be used for specification purposes. Lawrason's Inc. reserves the right to make additions, deletions or modifications to the information at any time without prior notification.
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