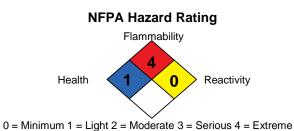


# **Material Safety Data Sheet**



### **1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name	BOLT-OUT (Aerosol)
Product Identifier	53-D 892 (400 ml)
MSDS No.	L-08E
Product Family	Lubricant
Manufacturer / Supplier	J. WALTER CO. LTD, 5977 Trans-Canada Highway, Pointe-Claire, Qc, H9R 1C1, 1-888-592-5837, www.walter.com
Emergency Contact	CANUTEC (Canadian Transport Emergency Centre), (613) 996-6666, 24 hours / 7 days
Information Use	Penetrating lubricant

### 2. HAZARDS IDENTIFICATION

#### **WHMIS Classification**







Class A Class B1 Class D2B A- Compressed Gas; B1 - Flammable Gas; D2B - Toxic

Potential Health Effects	
Route of Exposure	Inhalation; skin contact; skin absorption; eye contact; ingestion.
Inhalation	Drowsiness or mental confusion may occur.
Skin Contact	There may be irritation and redness at the site of contact.
Eye Contact	There may be irritation and redness.
Ingestion	Headaches and general malaise may result.

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

Chemical Name	CAS Registry No.	<b>Concentration %</b>	Other Identifiers
Propane	74-98-6	1 - 10	N/Av
Carbon dioxide gas	124-38-9	1 - 10	N/Av
Kerosene	8008-20-6	> 90	N/Av

# 4. FIRST AID MEASURES

### First Aid Procedures

Inhalation	Move victim to fresh air. Call a Poison Control Centre or doctor if victim feels unwell. If unconscious, remove victim from exposure ensuring one's safety whilst doing so, check for breathing and apply artificial respiration if necessary.
Skin Contact	There may be mild irritation at the site of contact. Immediately flush with lukewarm, gently flowing water for 15-20 minutes.

Eye Contact	Immediately and briefly flush with lukewarm, gently flowing water for 15-20 minutes, while holding eyelid(s) open. Transfer to hospital for specialist examination.
Ingestion	Immediately call a Poison Control Centre or doctor. Treatment is urgently required. Transport to a hospital.

### **5. FIRE FIGHTING MEASURES**

Flammable Properties	Extremely Flammable. Forms explosive air-vapour mixture. Can ignite if heated.
Suitable Extinguishing Media	Carbon dioxide, dry chemical powder.
Specific Hazards Arising from the	Forms explosive air-vapour mixture. Extremely flammable.
Chemical	
Protective Equipment and	Wear self-contained respirator. Wear protective clothing to prevent contact with skin and eyes.
Precautions for Firefighters	

#### **6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions	Use the Personal Protective Equipment recommended in Section 8 of this MSDS. Eliminate all ignition sources. Use grounded, explosion-proof equipment.
<b>Environmental Precautions</b>	Do not allow into any sewer, on the ground or into any waterway.
Methods for Containment and	Contain spill using noncombustible material such as vermiculite, earth or sand.
Clean-up	

#### 7. HANDLING AND STORAGE

Ensure there is sufficient ventilation in the area. Do not handle in a confined space. Smoking is forbidden.

Storage

Store in an area that is: out of direct sunlight and away from heat and ignition sources.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	CAS Registry No.	TWA (8hrs)
Propane	74-98-6	1000 ppm
Carbon dioxide gas	124-38-9	5000 ppm
Kerosene	8008-20-6	100 ppm

**Engineering Controls** 

Ensure there is sufficient ventilation in the area.

### **Personal Protective Equipment (PPE)**

**Eye/Face Protection** Wear chemical safety goggles.

Skin Protection

# Solvent resistant protective clothing. Nitrile Gloves, permeation time > 8 hours.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Aerosol
Appearance	Dark grey
Odour	Characteristic
Solubility in Water	Insoluble
Flash Point	-60 °C (-76 °F)
Evaporation Rate	Slow
Vapour Pressure	4000 hPa
Density	0,791 g/ml @20°C (68 °F)
Lower Flammable/Explosive Limit	1,4%

Upper Flammable/Explosive Limit	32%
Auto-ignition Temperature	510 °C (950 °F)
VOC (g/L)	775 g/L
<b>10. STABILITY AND REACT</b>	IVITY
Chemical Stability	Normally stable.
<b>Conditions to Avoid</b>	Open flames, sparks, static discharge, heat and other ignition sources.
Incompatible Materials	Oxidizing agents (e.g. peroxides).
Hazardous Decomposition	In combustion, emits toxic fumes of carbon dioxide / carbon monoxide.

**11. TOXICOLOGICAL INFORMATION** 

#### LC50/LD50 Values

**Products** 

Chemical Name		CAS Number	LD50 Rat	LC50 Rat
Propa	ne	74-98-6	N/Av	>20% (4hrs)
Carbon dioxide		124-38-9	N/Av	N/Av
Kerosene		8008-20-6	5mg /kg	N/Av
Skin Irritation / Corrosion	Human experience show	Human experience shows mild irritation		
Eye Irritation / Corrosion	Human experience and animal tests show mild irritation.			

#### **12. ECOLOGICAL INFORMATION**

Persistence and Degradability	Does not biodegrade readily.
Mobility	Highly volatile. Vapour is heavier than air.

# **13. DISPOSAL CONSIDERATIONS**

Eliminate while respecting municipal, provincial and federal regulations.

# **14. TRANSPORT INFORMATION**

#### **Shipping Information**

Regulation	UN No.	Shipping Name	Class	Packing Group
Canadian TDG	1950	Bolt-Out (Aerosol)	2,1	N/Av

#### **Other Transport Information**

Special Shipping Information

Not applicable

### **15. REGULATORY INFORMATION**

Canada	
Domestic Substances List (DSL)	All ingredients are listed on the DSL.
<b>CEPA - National Pollutant</b>	Not specifically listed.
Release Inventory (NPRI)	
USA	
US OSHA Regulatory Status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Toxic Substances Control Act (TSCA) Section 8(b)	All ingredients are listed on the TSCA Inventory.

### Additional USA Regulatory Lists

CERCLA: None SARA Title III - Section 302: None SARA Title III - Section 311/312: None SARA Title III - Section 313: None New Jersey Right To Know: None Section 112: Hazardous Air Pollutants (HAPS): None

# **16. OTHER INFORMATION**

MSDS Prepared By	Project Manager, Environmental Solutions and MRO
Phone No.	1-888-592-5837
Date of Preparation	February 7, 2012