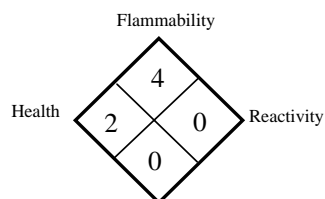


**NFPA Hazard Rating**


0 = Minimum 1 = Light 2 = Moderate 3 = Serious 4 = Extreme

# MATERIAL SAFETY DATA SHEET

## L-98E

### Section 1 - Product Identification

J. WALTER COMPANY LTD.  
5977 Transcanada Highway  
Pointe-Claire, Quebec  
H9R 1C1  
Emergency: CANUTEC (613) 996-6666

**Trade name:** Cold Shock  
**Product name:** Fast action Bolt Releaser  
**Order no.:** 53D882  
**WHMIS Classification:** A, B1, B3, D2B  
**Controlled under WHMIS:** Yes

### Section 2 - Hazardous Ingredients

<u>Ingredients</u>	<u>CAS Number</u>	<u>% by Weight</u>	<u>LD<sub>50</sub>RAT</u>	<u>LC<sub>50</sub>RAT</u>
Kerosene	8008-20-6	1-10	N/Av	N/Av
Distillate (Petroleum) Hydrotreated Light	64742-49-0	10-20	N/Av	N/Av
Propane	74-98-6	10-20	N/Av	N/Av
Butane	106-97-8	30-50	N/Av	N/Av
Isobutane	75-28-5	10-20	N/Av	N/Av

### Section 3 - Physical / Chemical Characteristics

<b>Physical state:</b> Aerosol	<b>Odour &amp; appearance:</b> Characteristic odour, yellow	<b>Odour threshold:</b> N/Av
<b>pH:</b> N/Av	<b>Boiling point:</b> N/Av	<b>Freezing point:</b> N/Av
<b>Specific gravity:</b> 0.60 g/ml	<b>Vapour pressure:</b> 400 kPa	<b>Vapour density:</b> N/A
<b>Evaporation rate:</b> Fast	<b>VOC g/l:</b> 596	<b>Water solubility:</b> Insoluble

### Section 4 - Fire & Explosion Hazard

**Flammability:** Yes     **Conditions:** Source of ignition, heat.

**Flashpoint:** -60°C     **Extinguishing media:** Carbon dioxide, Dry chemical, powder.

**Auto ignition temperature:** 510°C     **Hazardous combustion products:** Carbon monoxide and Dioxide form explosive air vapour mixture.

**Flammable limits (%):** Upper: 32 Lower: 1.4     **Sensitivity to mechanical impact or static discharge:** N/A

### Section 5 - Reactivity Data

**Chemical stability:** Yes     **Conditions:** Under normal conditions

**Reactivity conditions:** Sources of ignition

**Incompatible substances:** Oxidizing agents

**Hazardous decomposition products:** Carbon Monoxide and Carbon Dioxide

N/A - Not Applicable

N/Av - Not Available

# MATERIAL SAFETY DATA SHEET

## L-98E

### Section 6 - Toxicological Data

**Route of entry:** Eye and skin contact, inhalation, ingestion.

**Acute exposure effects:** Mild irritation to eye and skin, possibilities of headaches and drowsiness

**Chronic exposure effects:** Serious damage to health by prolonged exposure through contact and inhalation.

**Exposure limits (TLV/TWA):** N/A

<u>Carcinogenicity</u>	<u>Mutagenicity</u>	<u>Reproductive toxicity</u>	<u>Teratogenicity</u>	<u>Synergistic effects</u>
No	No	No	No	No

If yes to any of the above, specify:

### Section 7 - Preventive Measures

**Protective equipment:** Eyewear, gloves, clothing.  
**Handling procedures:** Keep away from source of ignition  
**Waste disposal methods:** Eliminate while respecting municipal, provincial and federal regulations.  
**Leak/spill procedures:** Eliminate source of ignition  
**Storage requirements:** Store under 50°C.  
**Engineering controls:** Sufficient ventilation  
**Handling equipment:** N/Av  
**Special shipping information:** Aerosol, Class 2.1, U.N1950

### Section 8 - First Aid Measures

**Skin contact:** Flush with water until substance is washed away.  
**Eye contact:** Flush the eye with water for at least 15 minutes, seek medical attention.  
**Inhalation:** Remove patient to fresh air. Seek medical attention.  
**Ingestion:** Seek medical attention  
**Other:**

### Section 9 - Preparation of MSDS

**Prepared by:** International Product Manager - Chemical Tools  
**Telephone:** 1-888-592-5837  
**Date:** June 7th, 2009

*This data is offered in good faith as typical values and not as a product specification. No warranty, either express or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.*

N/A - Not Applicable

N/Av - Not Available