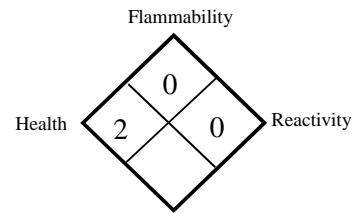


### NFPA Hazard Rating



# MATERIAL SAFETY DATA SHEET

## L-80E

### Section 1 - Product Identification

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

**Trade name:** Pure Shot  
**Product name:** Non-flammable contact cleaner  
**Order no.:** 53-C 702  
**WHMIS Classification:** A, D2A, D2B  
**Controlled under WHMIS:** Yes

### Section 2 - Hazardous Ingredients

Ingredients	CAS Number	% by Weight	LD <sub>50</sub>	LC <sub>50</sub> RAT
N-Propyl Bromide	106-94-5	70 - 90	N/Av	31,62 g/m3 for 4 hours
1,1,1,2-Tetrafluoro-ethane	811-97-2	10 - 30	N/Av	N/Av

### Section 3 - Physical / Chemical Characteristics

<b>Physical state:</b> Aerosol	<b>Odour &amp; appearance:</b> Irritating odour, clear	<b>Odour threshold:</b> N/Av
<b>pH:</b> N/Av	<b>Boiling point:</b> 24°C	<b>Freezing point:</b> N/Av
<b>Specific gravity:</b> 1,2 g/ml @ 20°C	<b>Vapour pressure:</b> 112 mm de Hg	<b>Vapour density:</b> > 1
<b>Evaporation rate:</b> > 1 (BA=1)	<b>VOC g/l:</b> 1200	<b>Water solubility:</b> Non-miscible

### Section 4 - Fire & Explosion Hazard

**Flammability:** No. The product does not create any flame projection or flashback when tested according to Schedule VI of the Controlled Products Regulation.

**Extinguishing media:** Foam, dry powder, CO<sub>2</sub>.

**Flashpoint:** None known

**Hazardous combustion products:** Carbon monoxide and dioxide

**Auto ignition temperature:** None known

**Sensitivity to mechanical impact or static discharge:** N/Av

**Flammable limits (%):** Upper:7,8 Lower:4,0 for n-propyl bromide

### Section 5 - Reactivity Data

**Chemical stability:** Yes **Conditions:** Avoid any excessive heat, ignition sources, open flames which induce thermal decomposition.

**Reactivity conditions:** N/Av

**Incompatible substances:** Strong oxidizers, strong bases.

**Hazardous decomposition products:** Hydrogen bromide, carbon monoxide and dioxide.

# MATERIAL SAFETY DATA SHEET

## L-80E

### Section 6 - Toxicological Data

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

**Acute exposure effects:** Product is irritant to skin and possibly to the eyes. Over-exposure to vapour may cause dizziness and loss of concentration.

**Chronic exposure effects:** Prolonged contact may cause defatting of skin. Prolonged inhalation of concentrated dosage may cause central nervous system depression.

**Exposure limits (TLV/TWA):** 10mg/ m<sup>3</sup> for N-Propyl bromide

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

**If yes to any of the above, specify:** Toxicity for animal reproduction and a suspect for causing cancer in small animals.

### Section 7 - Preventive Measures

<b>Protective equipment:</b>	Eyewear, gloves, clothing, mask
<b>Handling procedures:</b>	Normal procedure when handling aerosol. Do not use on energized equipment.
<b>Waste disposal methods:</b>	Dispose as per municipal, provincial and federal regulations.
<b>Leak/spill procedures:</b>	Soak up with absorbent material, place in approved containers.
<b>Storage requirements:</b>	Store below 50°C.
<b>Engineering controls:</b>	Ensure adequate ventilation.
<b>Handling equipment:</b>	N/A
<b>Special shipping information:</b>	Aerosol, Class 2.2, UN1950

### Section 8 - First Aid Measures

<b>Skin contact:</b>	Wash with soap and water until substance is removed from skin.
<b>Eye contact:</b>	Rinse eyes thoroughly with water for 20 minutes. Consult a physician if necessary.
<b>Inhalation:</b>	Remove victim to fresh air. Consult a physician if necessary.
<b>Ingestion:</b>	Do not induce vomiting. Rinse mouth and drink plenty of water. Consult a physician if necessary.
<b>Other:</b>	Consult a physician if necessary.

### Section 9 - Preparation of MSDS

<b>Prepared by:</b>	International Product Manager - Chemical Tools
<b>Telephone:</b>	1-888-592-5837
<b>Date:</b>	April 4th, 2014

*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**