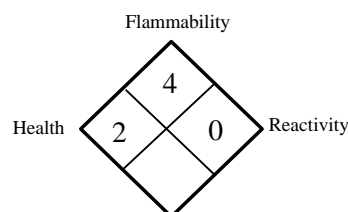


# MATERIAL SAFETY DATA SHEET

## L-49E

### NFPA Hazard Rating



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

### Section 1 - Product Identification

J. WALTER COMPANY LTD.  
5977 Transcanada Highway  
Pointe-Claire, Quebec  
H9R 1C1

**Trade name:** DryTef  
**Product name:** Dry film lubricant  
**Order no.:** 53-D 302  
**WHMIS Classification:** A, B5, D2B  
**Controlled under WHMIS:** Yes

**Emergency:** CANUTEC (613) 996-6666

### 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> |
|--------------------|-------------------|--------------------|---------------------------|---------------------------|
| Isopropyl alcohol  | 67-63-0           | 1 - 10             | 5045 mg/ Kg               | 66100 mg/c.m. for 4 hours |
| Propane            | 74-98-6           | 10 - 20            | N/Av                      | > 20% for 4 hours         |
| Butane             | 106-97-8          | 50 - 70            | N/Av                      | 658 g./c.m. for 4 hours   |
| Isobutane          | 75-28-5           | 10 - 20            | N/Av                      | 14,2 % for 4 hours        |

### Section 3 - Physical / Chemical Characteristics

|  |  |                              |
|--|--|------------------------------|
| <b>Physical state:</b> Aerosol             | <b>Odour &amp; appearance:</b> Off-white | <b>Odour threshold:</b> N/Av |
| <b>pH:</b> N/A                             | <b>Boiling point:</b> N/A                | <b>Freezing point:</b> N/A   |
| <b>Specific gravity:</b> 0,588 g/ml @ 25°C | <b>Vapour pressure:</b> 4000 hPa         | <b>Vapour density:</b> N/A   |
| <b>Evaporation rate:</b> Fast              | <b>VOC g/l:</b> 559                      | <b>Water solubility:</b> N/A |

### Section 4 - Fire & Explosion Hazard

**Flammability:** Yes     **Conditions:** Avoid flame, spark or any other energy source.

**Flashpoint:** - 60°C     **Extinguishing media:** Foam, dry powder, CO<sub>2</sub>.

**Auto ignition temperature:** 510°C     **Hazardous combustion products:** Carbon monoxide and dioxide

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

### Section 5 - Reactivity Data

**Chemical stability:** Yes     **Reactivity conditions:** N/Av  
**Conditions:** Direct sun light, heat

**Incompatible substances:** Oxidizing agents

**Hazardous decomposition products:** In combustion, emits fumes of carbon monoxide/dioxide.

# MATERIAL SAFETY DATA SHEET

## L-49E

### Section 6 - Toxicological Data

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

**Acute exposure effects:** Headache and general malaise may result if ingested, drowsiness if inhaled and irritation to the area of contact.

**Chronic exposure effects:** Headache and general malaise may result if ingested and drowsiness if inhaled.

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

| <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

|                                      |  |
|--------------------------------------|--|
| <b>Protective equipment:</b>         | Eyewear, gloves, clothing, mask                                |
| <b>Handling procedures:</b>          | Normal procedure when handling aerosol.                        |
| <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>         | Provide adequate ventilation.                                  |
| <b>Handling equipment:</b>           | N/A  |
| <b>Special shipping information:</b> | Aerosol, UN 1950, Class 2.1                                    |

### Section 8 - First Aid Measures

|                      |   |
|----------------------|---|
| <b>Skin contact:</b> | Rinse with water until substance is removed from skin.                          |
| <b>Eye contact:</b>  | Rinse eyes thoroughly with water for 20 minutes. Consult a physician if needed. |
| <b>Inhalation:</b>   | Remove victim to fresh air.   |
| <b>Ingestion:</b>    | Consult a physician immediately.  |
| <b>Other:</b>        | Consult a physician if necessary.   |

### Section 9 - Preparation of MSDS

|                     |                               |
|---------------------|-------------------------------|
| <b>Prepared by:</b> | Division Manager WCB          |
| <b>Telephone:</b>   | (514) 733-3315                |
| <b>Date:</b>        | March 31 <sup>st</sup> , 2005 |

*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