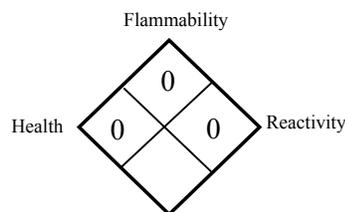


# MATERIAL SAFETY DATA SHEET

## L-78E

### NFPA Hazard Rating



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

### Section 1 - Product Identification

J. WALTER INC.  
141 Locust Street  
Hartford, CT 06114

**Trade name:** Bio-Circle L  
**Product name:** Bioremediant cleaner/degreaser  
**Order no.:** 55-A 007  
**WHMIS Classification:** Not controlled  
**Controlled under WHMIS:** No

**Emergency:** INFOTRAC (800) 535-5053

### 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>
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No hazardous substances to declare.

### Section 3 - Physical / Chemical Characteristics

<b>Physical state:</b> Liquid	<b>Odor &amp; appearance:</b> Mild, apple	<b>Odor threshold:</b> N/Av
<b>pH:</b> 8.5	<b>Boiling point:</b> 98°C	<b>Freezing point:</b> 0°C
<b>Specific gravity:</b> 1.02 g/ml @ 20°C	<b>Vapor pressure:</b> N/Av	<b>Vapor density:</b> N/Av
<b>Evaporation rate:</b> N/A	<b>VOC g/l:</b> N/Av	<b>Water solubility:</b> Soluble

### Section 4 - Fire & Explosion Hazard

**Flammability:** No      **Conditions:** None  
**Flashpoint:** N/A      **Extinguishing media:** N/A  
**Auto ignition temperature:** N/A      **Hazardous combustion products:** Normal combustion products.  
**Flammable limits (%):** Upper: N/A Lower: N/A      **Sensitivity to mechanical impact or static discharge:** N/A

### Section 5 - Reactivity Data

**Chemical stability:** Yes      **Conditions:** None  
**Reactivity conditions:** None  
**Incompatible substances:** Alkalines, acids and strong oxidizers.  
**Hazardous decomposition products:** N/A

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## L-78E

### Section 6 - Toxicological Data

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

**Acute exposure effects:** Prolonged contact may cause skin irritation.

**Chronic exposure effects:** None

**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

<b>Protective equipment:</b>	Gloves
<b>Handling procedures:</b>	Follow package instructions.
<b>Waste disposal methods:</b>	Dispose as per municipal, provincial and federal regulations.
<b>Leak/spill procedures:</b>	Wipe
<b>Storage requirements:</b>	Between 2°C and 30°C.
<b>Engineering controls:</b>	None
<b>Handling equipment:</b>	N/A
<b>Special shipping information:</b>	Not controlled for transport.

### Section 8 - First Aid Measures

<b>Skin contact:</b>	Rinse with water.
<b>Eye contact:</b>	Rinse eyes thoroughly with water.
<b>Inhalation:</b>	N/A
<b>Ingestion:</b>	Rinse mouth and drink plenty of water. Ingestion can cause diarrhea.
<b>Other:</b>	N/A

### Section 9 - Preparation of MSDS

<b>Prepared by:</b>	Chemical Tools Manager
<b>Telephone:</b>	(860) 724-0321
<b>Date:</b>	April 29 <sup>th</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