



# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION

**Product Name:** Heavy Smoke  
**Product Use:** Fire & Safety Training  
**WHMIS/OSHA Class:** Not controlled  
**T.D.G./DOT Classification:** Not regulated  
**Manufacturer/Supplier:** Le Maitre Special Effects Inc.  
**Address:** 1960 Blue Heron Drive  
London ON, Canada N6H 5L9  
**Telephone:** 519-659-7972

**Emergency Phone Number:** CHEMTREC (800) 424-9300

## SECTION II - INGREDIENTS

### Ingredients

	<u>CAS#</u>	<u>ACGIH-TLV</u>	<u>LC<sub>50</sub></u>	<u>LD<sub>50</sub></u>
Dipropylene glycol	25265-71-8	N/A	N/A	14800 mg/kg oral, rat
Water	7732-18-5	N/A	N/A	14500 mg/kg oral, rat

## SECTION III - PHYSICAL DATA

**Boiling Point (deg C):** Not available  
**Vapour Pressure (mmHg @ 20°C):** Not available  
**Vapour Density (Air = 1):** >1  
**Solubility in Water:** Complete  
**Physical State:** Liquid  
**Appearance and Odour:** Clear colourless, no odour

**Specific Gravity (H<sub>2</sub>O = 1):** ~1.017  
**% Volatile (Wt %):** Not available  
**Evaporation Rate (Water = 1):** Not available  
**pH:** Neutral  
**Viscosity:** Not available  
**Odour Threshold (ppm):** Not available

## SECTION IV - FIRE AND EXPLOSION DATA

**Flammability:** Not flammable by WHMIS/OSHA criteria.  
**Flash Point (deg C, TCC):** >121      **LEL:** Not available      **UEL:** Not available  
**Hazardous Combustion Products:** May include and are not limited to oxides of carbon.  
**Autoignition Temperature (deg C):** Not available.  
**Means of Extinction:** Carbon dioxide, dry chemical, alcohol foam, water fog.  
**Special Fire Hazards:** Firefighters should wear self-contained breathing apparatus.

## SECTION V - REACTIVITY DATA

**Conditions for Chemical Instability:** Stable.  
**Incompatible Materials:** Oxidizers, bases.  
**Reactivity, and Under What Conditions:** Not available  
**Hazardous Decomposition Products:** May include and are not limited to oxides of carbon when heated to decomposition.

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye, Ingestion

EFFECTS OF ACUTE EXPOSURE:

Eye: May cause irritation.

Ingestion: May cause stomach irritation.

EFFECTS OF CHRONIC EXPOSURE:

None known.

Irritancy: Non-hazardous.

Respiratory Tract Sensitization: No data available.

Carcinogenicity: Non-hazardous by WHMIS/OSHA criteria.

Teratogenicity, Reproductive Effects: No data available.

Mutagenicity: No data available.

Synergistic Materials: Not available.

SECTION VII- PREVENTATIVE MEASURES

Gloves: Rubber gloves recommended.

Eye Protection: Safety glasses recommended.

Respiratory Protection: Not normally required if good ventilation is maintained.

Other Protective Equipment: As required by employer code.

Engineering Controls: General ventilation normally adequate.

Leak and Spill Procedure: Before attempting clean-up, refer to hazard data given above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

Waste Disposal: Review federal, provincial and local government requirements prior to disposal.

Storage and Handling Requirements: Keep out of reach of children. Store in closed container away from incompatible materials.

SECTION VIII - FIRST AID

Eye: Immediately flush with water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention if irritation develops.

Skin: Not a normal route of harmful exposure. Flush with water. Wash thoroughly with soap and water. Obtain medical attention if irritation develops.

Inhalation: Not a normal route of harmful exposure. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

SECTION IX - PREPARATION INFORMATION

Date: 1 October 2005

MSDS Prepared by: Le Maitre Special Effects, Inc.

Telephone: (519) 659-7972

Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8466) or CSST in Montreal, Quebec (514-873-3990).

\* For current MSDS Sheets visit our web site at www.lemaitrefx.com \*