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: Ultratec Special Effects Inc.
Address: 1960 Blue Heron Drive
London, ON N6H 5L9, Canada
Telephone: 519-659-7972

Emergency Phone Number: CHEMTREC (800) 424-9300

SECTION II - INGREDIENTS

Ingredients	CAS#	ACGIH-TLV	LC_{50}	LD_{50}
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_2O = 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.

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SECTION VI - TOXICOLOGICAL PROPERTIES

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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.

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SECTION VII- PREVENTATIVE MEASURES

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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.

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SECTION VIII - FIRST AID

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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.

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SECTION IX - PREPARATION INFORMATION

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Date: **1 April 2012** **MSDS Prepared by:** Ultratec Special Effects Inc.
Telephone: (519) 659-7972

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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).