

# MATERIAL SAFETY DATA SHEET

## Lloyds Laboratories Inc.

### Smoke Detector Tester (Aerosol) Part # 61006

#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Smoke Detector Tester      **PRODUCT USE:** Testing Smoke Detectors  
**MANUFACTURER:** Lloyds Laboratories Inc.      **SUPPLIER:** Lloyds Laboratories Inc.

**ADDRESS:** 613 Neal Drive, Peterborough, Ontario, K9J 6X7      **ADDRESS:** 613 Neal Drive, Peterborough, Ontario, K9J 6X7

**EMERGENCY:** 1 800 361-6766      **EMERGENCY:** 1 800 361-6766

#### SECTION II: INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	Exposure Limit	LD <sub>50</sub> Route, Species	LC <sub>50</sub> Route, Species
NAPHTHA (PETROLEUM), LIGHT ALKYLATE	64741-66-8	5 - 10	400 ppm	Not available	Not available
ISOBUTANE	75-28-5	15 - 40	1000 ppm	Not applicable	142,500 ppm (4h) INHAL- RAT
PROPANE	74-98-6	15 - 40	1000 PPM	Not applicable	Not available

#### SECTION III: HAZARDOUS IDENTIFICATION

**Route of Entry:**  
Inhalation: Inhalation of solvents may cause irritation. Propellant is a simple asphyxiant.  
Ingestion: May cause headache, nausea, vomiting and weakness.  
Eye Contact: May cause irritation.  
Skin Absorption: No data available for this product mixture.  
Skin Contact: May cause irritation.  
Effects of Acute Exposure: Dizziness, nausea, irritation to skin & eyes.  
Effects of Chronic Exposure: Solvents may cause defatting dermatitis.  
Exposure Limit of Material: See section 2.

#### SECTION IV: FIRST AID MEASURES

Eye Contact: In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention.  
Skin Contact : For skin, wash thoroughly with soap and water.  
Inhalation: If affected by inhalation of vapour or spray mist, remove to fresh air.  
Ingestion: If swallowed, DO NOT INDUCE VOMITING. Get medical attention.

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#### SECTION V: FIRE FIGHTING MEASURES

Auto Ignition Temperature (°C):	399.
Special Procedures:	Water from fogging nozzles may be used to cool closed containers to prevent build-up if exposed to extreme temperatures. Full protective equipment including self contained breathing apparatus should be worn in a fire involving this material.
Flammability:	Extremely flammable.
If yes, under which conditions?	Excessive heat, sparks, and open flame.
Extinguishing media:	Water, carbon dioxide, dry chemical, foam.
Upper flammable limit (% by volume):	11.6.
Lower flammable limit (% by volume):	0.6.
Explosion data:	
Sensitivity to static discharge:	Not applicable.
Sensitivity to impact:	Not applicable.
Hazardous Combustion Products:	Hydrocarbon fumes and smoke. Carbon Monoxide where combustion is incomplete.
Aerosol Flame Projection Classified as:	>15 cm BUT <100 cm.
Flashback:	None.
Flash Point (°C), Tag Closed-Cup (Concentrate):	Lowest know value is Naphtha (Petroleum), Light Alkylate at -8°C.

#### SECTION VI: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures:	Remove all sources of ignition. Use an inert absorbent material and non sparking tools. Ventilate area. Prevent from entering a watercourse.
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#### SECTION VII: HANDLING AND STORAGE

Storage Requirements:	Keep away from heat, sparks, and open flames.
Engineering Controls:	Ventilation – Local (Mechanical if used indoors on a continuous basis)
Handling Procedures and Equipment:	Store in a cool, well ventilated area not to exceed 50°C.
Synergistic Materials:	None known.

#### SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves:	Wear chemical resistant gloves.
Respiratory Protection:	If used indoors on a continuous basis, use of a cartridge type respirator (NIOSH/MSHATC 23C or equivalent) is recommended.
Eye Protection:	Safety glasses.
Footwear:	Not normally required.
Other Protective Equipment:	Not required.

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#### SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Aerosol.
Appearance:	Clear, Colourless.
Odour:	Hydrocarbon.
Odour Threshold:	Not available.
Vapour Pressure (PSIG) Aerosol @20°C:	60 -70.
Boiling Point:\(^{\circ}\)(Conc):	98-110.
Evaporation rate n-Butyl Acetate = 1:	Greater than 1.
Vapour Density (Air=1):	Greater than 1.
Solubility in water g/l (20°C):	Negligible.
pH:	Not applicable.
Specific Gravity (liquid):	0.70 – 0.74.
Coefficient of Water/Oil Dist.:	Not available.
Freezing Point: (^{\circ}C):	Not available.
Aerosol Percent Volatile (by weight):	96-97.
Specific gravity (aerosol):	0.56 – 0.60.

#### SECTION X: STABILITY AND REACTIVITY

Hazardous products of decomposition:	Hydrocarbon fumes and smoke. Carbon monoxide where combustion is incomplete.
Chemical stability:	
Yes:	Under normal conditions.
No, Which conditions?	Not applicable.
Compatibility with other substances:	
No, which ones?	Strong oxidizing agents.
Reactivity conditions?	Not applicable.
Hazardous Polymerization:	Will not occur.

#### SECTION XI: TOXICOLOGICAL INFORMATION

Reproductive effects:	No information is available and no adverse reproductive effects are anticipated.
Irritancy of material:	Slight.
Sensitizing capability of material:	Unknown.
Carcinogenicity of material:	The ingredients of this product are not listed as carcinogens by NTP (National Toxicology Program), not regulated as carcinogens by OSHA, (Occupational Safety and Health Administration), and have not been evaluated by IARC, (International Agency for Research on Cancer), nor by ACGIH (American Conference of Governmental Industrial Hygienists).
Teratogenicity	No information is available and no adverse teratogenic effects are anticipated.

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Mutagenicity: No information is available and no adverse mutagenic effects are anticipated.

#### SECTION XII: ECOLOGICAL INFORMATION

.Environmental: Not available.

#### SECTION XIII: DISPOSAL CONSIDERATIONS

Waste Disposal: Do not puncture or incinerate containers, even when empty. Dispose of in accordance with local, provincial and federal regulations.

#### SECTION XIV: TRANSPORTATION

T.D.G. Classification: Consumer commodity (Aerosols, UN 1950, Class 2.1).  
D.O.T. Classification: Consumer commodity, ORM-D.

#### SECTION XV: REGULATORY INFORMATION

Canadian Regulations:  
WHMIS Classification: A, B5.  
CNFC Section 3.3.5: Level 3.  
CEPA (Canadian Environmental Protection Act): All substances in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

U.S. Regulations:  
HMIS Rating Health: 1 Slight Hazard.  
HMIS Rating Flammability: 4 Severe Hazard.  
HMIS Rating Reactivity: 0 Minimal Hazard.  
HMIS Rating Personal Protection: B.  
NFPA Code 30B: Level 3.  
SARA 313 Information: This product contains no ingredients subject to the reporting requirements of Section 313 of the emergency planning and community right-to-know act of 1986 and of 40 CFR 372.

California Proposition 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986:  
Warning: This product does not intentionally contain any chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

TSCA (Toxic Substances Control Act): All components of this product are listed on the TSCA Inventory. Any impurities present in this product are exempt from listing.

VOC (w/w%): 98-99.

#### SECTION XVI: OTHER INFORMATION

<b>Date:</b> April 15, 2016	<b>Prepared By:</b> Technical Services Group	<b>Telephone:</b> 1 800 361-6766
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Disclaimer:

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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 the control of 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 or reliance on any information contained in this form. If user requires independent information on ingredients in this or other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905-572-4400) or CSST in Montreal, Quebec (514-873-3990).