



# LEXCOR MATERIAL SAFETY DATA SHEET

DATE PREPARED: 04/11/2015

## SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

### PRODUCT NAME

## LEXPHALT POLYURETHANE FOAM

### SUPPLIER NAME AND ADDRESS

Lexsuo 2010 Corporation  
3275 Orlando Dr.  
Mississauga, ON L4V 1C5  
Tel: 905.792.8300 Fax: 905.792.8305

### EMERGENCY TELEPHONE NUMBER:

CANUTEC: 613-996-6666

**General Use:** Polyurethane Foam  
**Chemical Family:** Mixture of PU-Prepolymer and Propellants

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS #	Concentration %
Tris (2-chlor-1-methylethyl) Phosphate	13674-84-5 / 237-158-7	1%<C<25%
Polymethylene Polyphenyl Isocyanate	9016-87-9	C>25%
4,4'-methylenediphenyl diisocyanate	101-68-8	1%<C<25%
Dimethyl Ether	115-10-6	1%<C<10%
Propane	74-98-6	1%<C<10%
Isobutane	75-28-5	1%<C<10%
(1,3-butadiene, conc<0.1%)		

## SECTION 3 - PHYSICAL DATA

**Pure Material or Mixture:** Mixture (Organic)  
**Physical Form:** Aerosol  
**Appearance/Odour:** Various colours/Characteristic  
**pH As Is:** Not Determined  
**Initial Boiling Point:** Not Determined  
**Melting Point:** Not Available  
**Solubility in Water:** Insoluble  
**Specific Gravity (Water=1):** Not Available  
**Volatiles (%W/W):** Not Available  
**Evaporation Rate:** Not Available  
**Vapour Density (Air = 1):** >1  
**Vapour Pressure (MM):** Not Available  
**VOC:** 18%

## SECTION 4 - FIRE & EXPLOSION DATA

**Auto-Ignition Temperature:** Extremely flammable – Approx. > 250°C  
**Flash Point:** Contains extremely flammable components  
**Upper Explosive Limit (%):** Not determined  
**Lower Explosive Limit (%):** Not determined

<b>Sensitive to Static Discharge:</b>	Not available
<b>Sensitive to Mechanical Impact:</b>	Not available
<b>Extinguish Media:</b>	Quantities of water. Polyvalent foam. BC Powder. Carbon dioxide. No unsuitable extinguishing media known.
<b>Special Firefighting Procedures:</b>	If exposed to fire cool the closed containers by spraying with water. Physical explosion risk: extinguish/cool from behind cover. Do not move the load if exposed to heat. After cooling: persistent risk of physical explosion. Dilute toxic gases with water spray. <b>Special protective equipment for fire-fighters:</b> Gloves. Protective goggles. Head/neck protection. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.
<b>Fire or Explosive Hazard:</b>	Keep ignition sources away – Do not smoke. Protect against electrostatic charges. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, 122°F, i.e. electric lights. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.
<b>Hazardous Combustion Products:</b>	On burning: release of toxic and corrosive gases/vapours (phosphorus oxides, nitrous vapours, hydrogen chloride, carbon monoxide – carbon dioxide). May polymerize on exposure to temperature rise. On heating: release of toxic/combustible gases/vapours (hydrogen cyanide).
<b>Special Exposure Hazards:</b>	On burning: release of toxic and corrosive gases/vapours (phosphorus oxides, nitrous vapours, hydrogen chloride, carbon monoxide – carbon dioxide). May polymerize on exposure to temperature rise. On heating: release of toxic/combustible gases/vapours (hydrogen cyanide).

## SECTION 5 – HEALTH EFFECT DATA

### SHORT TERM EFFECTS OF EXPOSURE

#### ROUTE OF ENTRY:

<b>Acute Effects Ingestion:</b>	Swallowing large amounts may cause digestive discomfort.
<b>Acute Effects Skin:</b>	Irritant to skin and mucous membranes. Frequent or prolonged contact may cause dermatitis. May cause slight reddening if exposure is long or irritation from contact with uncured product particularly eyes and mucous membranes. May cause skin irritation and aggravate allergic skin conditions. Persons with known isocyanate allergies should avoid any skin contact with product ingredients. Sensitization possible.
<b>Absorption:</b>	Not Available.
<b>Acute Effects Inhalation:</b>	Sensitization possible. May cause mild respiratory irritation in uncured state.
<b>Acute Effects Eyes:</b>	Uncured product is irritating to the eyes. Eye contact may result in moderate corneal injury and considerable redness lasting a week or more.

### LONG TERM EFFECTS OF EXPOSURE

#### Effects of Chronic Exposure:

- May cause and allergic skin reaction.
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- May cause damage to organs through prolonged or repeated exposure if inhaled.
- Low sub-chronic toxicity by the oral route.
- Causes skin irritation.
- Causes serious eye irritation.
- May cause respiratory irritation.
- Specific target organ toxicity, single exposure: classified as irritant to respiratory organs

**Not classified for reprotoxic or developmental toxicity.**

**Not classified for mutagenic or genotoxic toxicity.**

### SPECIAL HEALTH EFFECTS

<b>Carcinogenicity:</b>	Suspected of causing cancer
<b>Target Organs:</b>	Liver, respiratory tract

## SECTION 6 - FIRST AID MEASURES

<b>Ingestion:</b>	Never give water to an unconscious person. Do not induce vomiting. Seek medical advice.
<b>Skin Contact:</b>	Rinse immediately with plenty of water. If irritation persists: seek medical advice.
<b>Inhalation:</b>	Remove the victim into fresh air. Seek medical advice.
<b>Eye Contact:</b>	Rinse immediately with plenty of water. Check for and remove any contact lens. Do not use an eye ointment without seeking medical attention. Seek medical advice.

## SECTION 7 - RECOMMENDATIONS FOR PERSONAL PROTECTIVE EQUIPMENT

### CONDITIONS UNDER WHICH PPE REQ'D

<b>Eye Protection Requirement:</b>	Tightly sealed goggles
<b>Glove Requirement:</b>	Impervious gloves
<b>Clothing Requirements:</b>	None Specified
<b>Change/Removal of Clothing:</b>	Immediately remove all soiled and contaminated clothing
<b>Wash Requirements:</b>	Wash hands before breaks and at the end of work.
<b>Respirator Requirements:</b>	In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
<b>Engineering Controls Requires:</b>	Local Ventilation
<b>General Protective &amp; Hygienic Measures:</b>	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

## SECTION 8 - REACTIVITY DATA

<b>Stability:</b>	Stable under normal storage conditions, installed foam is stable. Avoid water contamination, avoid alcohols, strong bases with metal compounds and contact with ammonia.
<b>Incompatibilities:</b>	Keep away from: heat sources, ignition sources, acids, bases
<b>Conditions to Avoid:</b>	Keep away from: heat sources, ignition sources, acids, bases. Unstable on exposure to heat.
<b>Hazardous Decomposition Products:</b>	On burning: release of toxic and corrosive gases/vapours: phosphorus oxides, hydrogen chloride, carbon monoxide and carbon dioxide. On heating: release of toxic/combustible gases/vapours (hydrogen cyanide). May polymerize with a lot of compounds, o.a.: (strong) bases and amines – Reacts violently with (some) acids/bases.
<b>Hazardous Polymerization:</b>	Not available

## SECTION 9 - SPILL & LEAK PROCEDURES

<b>Spill and Leak Procedures:</b>	Stop engines and no smoking. No naked flames or sparks. Spark – and explosion proof appliances and lighting equipment.
<b>Waste Disposal Methods:</b>	Dispose contaminated material as waste. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents. Must not be disposed together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.
<b>Other Precautions:</b>	LAND SPILL: Notify the appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse effects of the spill. Eliminate ignition sources. Isolate hazard area and deny entry to unauthorized or unprotected personnel. GENERAL NOTES: Water hazard class 2 (Self-assessment): hazardous for water. Do not allow product to reach ground water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

## SECTION 10 - HANDLING & STORAGE PRECAUTIONS

<b>Storage Temperature:</b>	Storage temperature: <50°C
<b>Handling/Storage:</b>	HANDLING: Observe very strict hygiene – avoid contact. In case of insufficient ventilation: keep naked flames/sparks away. Remove contaminated clothing immediately. Clean contaminated clothing. STORAGE: Keep out of direct sunlight. Store in dry and cool area. Keep away from: heat sources, ignition sources, acids, bases.
<b>Other Precautions:</b>	Incompatibilities with (strong) acids, (strong) bases.
<b>Special Comments:</b>	Follow MSDS/label warnings even after container is emptied.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Acute Toxicity:

#### **Tris(2-Chlorine-1-Methylethyl)Phosphate:**

LD50 oral rat:	1011-1824 mg/kg
LD50 dermal rabbit:	>2000 mg/kg 24 h
LC50 inhalation rat:	>5 mg/l air 4 h

#### **Polymethylenepolyphenylisocyanate:**

LD50 oral rat:	>10000 mg/kg
LD50 dermal rabbit:	>5000 mg/kg
LC50 inhalation rat:	10-20 mg/l/4 h

#### **4,4'-Methylenediphenyl Diisocyanate**

LD50 oral rat:	>2000 mg/kg
LD50 dermal rabbit:	>9400 mg/kg
LC50 inhalation rat:	>2.24 mg/l/1 h

#### **Dimethyl Ether:**

LC50 inhalation rat:	309 mg/l/4 h
LC50 inhalation rat:	163991 ppm/4 h

#### **Propane:**

LC50 inhalation rat:	513 mg/l/4 h
LC50 inhalation rat:	280000 ppm/4 h

#### **Isobutane:**

LC50 inhalation rat:	>50 mg/l/4 h
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## SECTION 12 - REGULATORY INFORMATION

### T.D.G. INFORMATION

<b>Shipping Name:</b>	Aerosol, flammable, n.o.s.
<b>P.I.N. Number:</b>	UN 1950
<b>TDG Class :</b>	2.1
<b>Packaging Group :</b>	
<b>Class:</b>	B-2 Flammable Liquid B-3 Combustible Liquid

## SECTION 13 - OTHER INFORMATION

*The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.*

**Reference:** *The information herein is presented in good faith and believed to be correct as of the date hereof. Information is based upon supplier issued material safety data sheets and may be subject to error. If apprised of changes, updated MSDS will be promptly issued. Users must make their own determination regarding the suitability of the product for their own purposes prior to use.*

*Prepared by Lexsuco 2010 Corporation.*