



LEXCOR SAFETY DATA SHEET

DATE PREPARED: 04/03/2016

SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME

ADPHALT

SUPPLIER NAME AND ADDRESS

Lexsuco 2010 Corporation
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Mississauga, ON L4V 1C5
Tel: 905.792.8300 Fax: 905.792.8305

EMERGENCY TELEPHONE NUMBER:

CANUTEC 613-996-6666 (24 hours every day)

Regulatory Information Number:

Tel: 1-877-792-8308

Prepared by: Lexsuco 2010 Corporation

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification for mixture:

Flammable Aerosols - Category 1
Specific target organ toxicity - repeated exposure - Category 2
Specific target organ toxicity - single exposure - Category 3 (Respiratory)
Carcinogenicity - Category 2
Respiratory sensitization - Category 1A
Skin sensitization - Category 1
Serious eye damage/eye irritation - Category 2A
Skin corrosion/irritation - Category 2
Acute Toxicity Inhalation - Category 4
Acute Toxicity Dermal - Category 4
Acute Toxicity Oral - Category 4

Label elements

Pictograms:



Signal Words:

Danger

Hazard Statements:

Extremely flammable aerosol. Pressurized container; may burst if heated
Harmful if swallowed.
Harmful in contact with skin.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Harmful if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause respiratory irritation.
Suspected of causing cancer. Route(s) of exposure: Respiratory tract.

May cause damage to organs through prolonged or repeated exposure. Route(s) of exposure: Respiratory Tract. Affected organ(s): Lungs.

Precautionary Statements:

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources.
Do not spray on an open flame or other ignition sources.
Do not breathe dust, fume, gas, spray, vapors, mist.
Avoid breathing dust, mist, vapors, fume, gas, spray.
Wash affected area thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves, protective clothing, eye protection, face protection.
Wear respiratory protection.

Response

If experiencing respiratory symptoms: Call a POISON CENTER.
Call a POISON CENTER, doctor if you feel unwell.
IF SWALLOWED: Call a POISON CENTER if you feel unwell.
If exposed or concerned: Get medical attention / advice.
If skin irritation or rash occurs: Get medical attention / advice.
If eye irritation persists: Get medical attention / advice.
If skin irritation occurs: Get medical attention / advice.
Get medical attention / advice if you feel unwell.
Specific treatment (see see information on this label).
Rinse mouth.
If eye irritation persists: seek medical attention/advice.
IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor.
IF IN EYES: Rinse cautiously with water for several minutes.
IF ON SKIN: Wash with plenty of Water and soap.
Take off contaminated clothing and wash it before reuse.

Storage

Store in a well-ventilated place.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 20°C/122°F

Disposal

Dispose of contents an approved waste disposal plant.

Other hazards

No available data for this section.

SECTION 3 - INFORMATION ON INGREDIENTS

Identifiers	Ingredients	Percentage	Classification
9016-87-9	Isocyanic acid, polymethylenepolyphenylene ester	>25%	
13674-84-5	2-Propanol, 1-chloro-, phosphate (3:1)	25% to 30%	
115-10-6	Dimethyl Ether	10% to 15%	
8001-79-4	Castor oil	10% to 15%	
74-98-6	Propane	1% to 5%	
	Copolymer	1% to 5%	
75-28-5	Isobutane	<10%	
6425-39-4	4,4'-(oxydi- 2,1ethanediyl) bismorpholine	<1%	

SECTION 4 - FIRST AID MEASURES

Description of First Aid Measures

In the event of splashes or contact with eyes

In the event of splashes or contact with eyes

Wash eyes with plenty of water. Remove the contact lenses if worn and easy to do that. Hold eyelids open to ensure adequate flushing. Continue rinsing. Seek medical attention if irritation, redness, or any other symptom develops.

In the event of splashes or contact with skin

If redness or other symptoms occur, seek medical advice / attention. If you feel unwell, call a poison center, doctor, or medical service. Take off all contaminated clothing and wash it before reuse. Wash contaminated areas thoroughly with water. Wash contaminated areas thoroughly with soft nonabrasive soap and cold water.

In the event of ingestion

If after ingestion you feel unwell, seek medical advice. Rinse the mouth with water.

In the event of inhalation

Remove person to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

Acute: Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

Delayed: May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure: respiratory tract.

Indication of any immediate medical attention and special treatment needed

Description of Necessary Measures: If exposed or concerned, get medical advice / attention. Call a POISON CENTER or doctor/physician.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media

The suggested appropriate media: Carbon dioxide. Water.

Unsuitable Extinguishing Media

None known.

Special hazards arising from the substance or mixture
Specific Hazards Arising from Combustion of Products
Extremely flammable aerosol.

Combustion Products

Oxides of carbon (CO_x). Phosphorus oxides. Hydrogen cyanide. Hydrogen chloride. May polymerize when heated.

Advice for firefighters

Protective Measures for Fire-Fighting

Wear full protective firefighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.

Special Protective Actions for Fire-Fighters

Danger of explosions. Cool containers with water from unmanned hose holder or monitor nozzles until well after fire is out. Do not allow run-off from firefighting to enter drains or water courses. Evacuate the people from the area.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes. Use explosion-proof electrical/ventilating/lighting equipment. Eliminate all sources of heat and ignition.

Environmental precautions

Do not allow to enter into surface water or drains. Dike for later disposal.

Methods and material for containment and cleaning up

Do not pierce or burn, even after use.

SECTION 7 - HANDLING & STORAGE

Precautions for safe handling

Do not spray on an open flame or other ignition sources. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid direct contact with the substance (solid / liquid / vapor). Avoid breathing gas / mist / dust / fume / vapor / spray / particles. Do not pierce or burn, even after use. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash before re-use. In case of inadequate ventilation wear respiratory protection. Use explosion-proof electrical/ventilating/lighting equipment. Avoid being exposed to gas / mist / dust / fume / vapor / spray / particles. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Handle in accordance with all current regulations and standards. If needed, only use non-sparking tools in the storage area while handling. No smoking or open flame in storage, use or handling areas. Take action to prevent static discharges.

Conditions for safe storage, including any incompatibilities

Conditions for Safe Storage

Store in a well-ventilated area. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Ensure adequate ventilation of the storage area. Maximum storage period (time): 1 year.

Incompatible Materials

Heat. Strong acids. Strong bases. Amines. Keep away from all ignition sources.

SECTION 8 - EXPOSURE CONTROL & PERSONAL PROTECTION

Control parameters

Control Parameters / Limits for Product

No available data for this section.

Control Parameters / Limits for Component

Propane

OSHA TWA	1000 ppm. 1800 mg/m ³ .
NIOSH TWA	1000 ppm. 1800 mg/m ³ .
ACGIH TWA	1000 ppm.
NIOSH IDLH	2100 ppm (10% LEL).

Isobutane

ACGIH STEL	1000 ppm.
NIOSH TWA	800 ppm. 1900 mg/m ³ .

Dimethyl Ether

Europe TWA	1000 ppm. 1920 mg/m ³ .
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Exposure Controls

Engineering Measures

Use explosion-proof electrical/ventilating/lighting equipment. Keep away from heat/sparks/open flames/hot surfaces.

Respiratory Protection

Use a respirator with an organic vapor cartridge for concentrations exceeding the occupational exposure limit.

Eye/Face Protection

Wear splash resistant safety goggles.

Skin and Body Protection

Wear suitable protective clothing and gloves.

Hand Protection

LOW DENSITY POLYETHYLENE. Wear impermeable gloves.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Physical State	Aerosol
Appearance	Champagne
Odor	Not available
Odor threshold	Not available
pH	Not available
Melting point	Not available
Boiling point	Not available
Flash Point	Not available
Evaporation rate w/r/t ether	Not available
Evaporation rate w/r/t butyl acetate	Not available
Flammability	Not available
Flammability limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density w/r/t water	Not available
Relative density w/r/t air	Not available
Solubility	Insoluble
Solubility in other solvents	Soluble Organic solvents
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Freezing point	Not available
Density	950 kg/m ³

SECTION 10 - STABILITY & REACTIVITY

Reactivity

May polymerize when heated.

Chemical Stability

Stable under normal conditions of use.

Possibility of Hazardous Reactions

May polymerize when heated.

Conditions to Avoid

Avoid contact with incompatible materials. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition sources. Do not pierce or burn, even after use.

Incompatible Materials

Avoid contact or storage with: Amines. Strong acids. Strong bases. Heat.

Hazardous Decomposition Products

Oxides of carbon (CO_x). Phosphorus oxides. Hydrogen cyanide. Hydrogen chloride.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological Information for Product

Inhalation: May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause respiratory irritation.

Ingestion: Harmful if swallowed.

Reproductive toxicity: No data available.

Medical Conditions Aggravated by Exposure: Eye disorders. Respiratory disorders. Skin disorders. Gastrointestinal disorders. May produce an allergic reaction. Persons already sensitized to diisocyanates may develop allergic reactions when using this product.

Germ cell mutagenicity: No data available.

Immediate Effects: Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause respiratory irritation.

Specific target organ toxicity - repeated exposure: Respiratory tract. **Specific target organ toxicity - single exposure:** Respiratory tract.

Aspiration hazard: No data available.

Carcinogenicity: Suspected of causing cancer.

Toxicological Information for Component

2-Propanol, 1-chloro-, phosphate (3:1)

LD 50 Oral	500 mg/kg, Rat.
LD 50 Dermal	1230 mg/kg, Rabbit.
LC 50 Inhalation	5 mg/l(4h), Rat.

Isocyanic acid, polymethylenepolyphenylene ester

LC 50 Inhalation	490 mg/m ³ (4h), Rat.
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Propane

LC 50 Inhalation	658 mg/l(4h), Rat.
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Isobutane

LC 50 Inhalation	658 mg/l(4h), Rat.
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Dimethyl Ether
LC 50 Inhalation 308.5 mg/l(4h), Rat.

Irritation/Corrosion Information for Product

Skin contact: Harmful if in contact with skin. May cause allergic skin reaction.

Eye contact: Causes serious eye damage.

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity Values for Component

2-Propanol, 1-chloro-, phosphate (3:1)

Aquatic Toxicity - LC 50 Invertebrates: 63 mg/l (48h), Daphnia magna, IUCLID.

Aquatic Toxicity - LC 50 Algae: 45 mg/l(72h), Desmodesmus subspicatus, IUCLID. 4 mg/l(96h), Pseudokirchneriella subcapitata IUCLID.

Aquatic Toxicity - LC 50 Fish: 56.2 mg/l(96h), Brachydanio rerio [static]. 98 mg/L(96h), Pimephales promelas [static]. 30 mg/L(96h), Poecilia reticulata [static].

Persistence and degradability

Contains non-readily biodegradable component(s).

Bioaccumulative potential

Bioaccumulative Potential for Product

No data available.

Mobility in soil

No data available for the product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Regulation(s) / Operation

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of national pollutant discharge elimination systems. Users need to pay attention to the possible existence of regional or national regulations regarding disposal.

SECTION 14 - TRANSPORT INFORMATION

	ADR	IMDG	IATA	DOT
UN number	1950	1950		
UN proper shipping name	AEROSOLS	AEROSOLS		AEROSOLS
Transport hazard class(es)	2.2	2.2		
Packing group				
Environmental hazards				
Special precautions for user				
Transport in bulk according to Annex II of Marpol and the IBC Code				
Other	2.2			

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture Safety, Health and Environmental Regulations for Product

SARA Section 311/312 (40 CFR 370 Subparts B and C): Acute Health: Yes. Chronic Health: Yes. Fire: Yes. Pressure: Yes. Reactivity: Yes.

California Proposition 65: Not listed.

Safety, Health and Environmental Regulations for Component

Isocyanic acid, polymethylenepolyphenylene ester

Component Analysis - Inventory: US, CA(DSL), AU, PH, JP (ENCS), KR (KECI/KECL), CN, NZ, MX.
U.S. State Regulations: NJ.
SARA 313: 1 % de minimis concentration.

Propane

Component Analysis - Inventory: US, CA(DSL), EU(EIN), AU, PH, JP (ENCS), KR (KECI/KECL), CN, NZ, MX.
U.S. State Regulations: MA, MN, NJ, PA.

Isobutane

Component Analysis - Inventory: US, CA(DSL), EU(EIN), AU, PH, JP (ENCS), KR (KECI/KECL), CN, NZ, MX.
U.S. State Regulations: MA, NJ, PA.

Dimethyl Ether

Component Analysis - Inventory: US, CA(DSL), EU(EIN), AU, PH, JP (ENCS), KR (KECI/KECL), CN, NZ, MX.
U.S. State Regulations: MA, MN, NJ, PA.

2-Propanol, 1-chloro-, phosphate (3:1)

Component Analysis - Inventory: US, CA(DSL), EU(EIN), AU, PH, JP (ENCS), KR (KECI/KECL), CN, NZ, MX.

4,4'-(oxydi-2,1-ethanediy)l)bismorpholine

Component Analysis - Inventory: US, CA(DSL), EU(EIN), AU, PH, JP (ENCS), KR (KECI/KECL), CN, NZ, MX.

Castor oil

Component Analysis - Inventory: US, CA(DSL), EU(EIN), AU, PH, JP (ENCS), KR (KECI/KECL), CN, NZ, MX.

SECTION 16 - OTHER INFORMATION

Glossary

ACGIH: American Conference of Governmental Industrial Hygienists.

ADR: European Road Transport

AU: Australia

BOD: Biochemical Oxygen Demand

C: Celsius. CA: Canada.

CAS: Chemical Abstracts Service.

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act.

CLP: Classification, Labelling and Packaging.

CPR: Controlled Products Regulations.

DFG: Deutsche Forschungsgemeinschaft.

DOT: Department of Transportation.

DSD: Dangerous Substance Directive.

DSL: Domestic Substances List.

EEC: European Economic Community.

EINECS: European Inventory of Existing Commercial Chemical Substances.

EPA: Environmental Protection Agency.

EU: European Union. F: Fahrenheit.
IARC: International Agency for Research on Cancer.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organization.
IDL: Ingredient Disclosure List.
IDLH: Immediately Dangerous to Life and Health.
IMDG: International Maritime Dangerous Goods.
JP: Japan.
Kow: Octanol/water partition coefficient.
LEL: Lower Explosive Limit.
LLV: Level Limit Value.
LOLI: List Of Lists™ - ChemADVISOR's Regulatory Database.
MAK: Maximum Concentration Value in the Workplace.
MEL: Maximum Exposure Limits.
NFPA: National Fire Protection Agency.
NIOSH: National Institute for Occupational Safety and Health.
NJTSR: New Jersey Trade Secret Registry.
NTP: National Toxicology Program.
NZ: New Zealand.
OSHA: Occupational Safety and Health Administration.
PH: Philippines.
RCRA: Resource Conservation and Recovery Act.
REACH: Registration, Evaluation, Authorization, and restriction of Chemicals.
RID: European Rail Transport.
SARA: Superfund Amendments and Reauthorization Act.
STEL: Short-term Exposure Limit.
TDG: Transportation of Dangerous Goods.
TSCA: Toxic Substances Control Act.
TWA: Time Weighted Average.

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 SDS 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