

LEXCAN MATERIAL SAFETY DATA SHEET

DATE PREPARED: 03/01/09

(6 Pages)

MSDS No: 302174

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

LAP SEALANT

Product Chemical Name: *Sure-Seal Lap Sealant*
General Use: *Lap Sealant*

Chemical Formula: *Mixture*

SUPPLIER NAME AND ADDRESS

Lexcan Industrial Supply Limited
52 Bramwin Court
Brampton, Ontario L6T 5G2
Tel: 905-792-8300 Fax: 905-792-8305

EMERGENCY TELEPHONE NUMBER:

CANUTEC 613-996-6666 (24 hours everyday)

Regulatory Information Number:

Tel: 1-877-792-8308

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT(S)</u>	<u>CAS NUMBER%</u>	<u>(BY WEIGHT)</u>
<i>Light Aliphatic Solvent Naphtha</i>	<i>64742-89-8</i>	<i>37-38</i>
<i>Amorphous Silica</i>	<i>7631-86-9</i>	<i>3-6</i>
<i>Ethylene-Propylene Rubber</i>	<i>25038-36-2</i>	
<i>Polybutene</i>	<i>9003-29-6</i>	
<i>Calcium Carbonate</i>	<i>1317-65-3</i>	
<i>Ground Coal</i>	<i>125612-26-2</i>	
<i>Paraffinic Oil</i>	<i>64742-01-4</i>	
<i>Treated Clay</i>	<i>1332-58-7</i>	

HAZARDOUS INGREDIENTS

<u>INGREDIENTS</u>	<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>NIOSH REL</u>		<u>NIOSH IDLH</u>
	<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>	
<i>Light Aliphatic Solvent Naphtha</i>	<i>300 ppm</i>	<i>400 ppm</i>	<i>300 ppm</i>	<i>N/E</i>	<i>N/E</i>	<i>N/E</i>	<i>N/E</i>
<i>Amorphous Silica</i> <i>%SiO₂ or 20 ppb</i>	<i>80mg/m³</i>	<i>N/E</i>	<i>10 mg/m³</i>	<i>N/E</i>	<i>6 mg/m³</i>	<i>N/E</i>	<i>3000 mg/m³</i>

* N/E = Not Established

SECTION 3 - HAZARDS IDENTIFICATION

★★★★★ EMERGENCY OVERVIEW★★★★★

POTENTIAL HEALTH EFFECTS

Primary Entry Routes: *Skin contact, Eye contact, Inhalation, Ingestion.*

HMIS

H 1

F 4

R 0

PPE*

*Sec.8

TARGET ORGANS

ACUTE EFFECTS:

INHALATION: *Throat irritation on short term exposure to liquid or vapour. Aspiration into lungs can cause chemical pneumonitis which can be fatal.*

EYES: *Irritation on short-term exposure to liquid or vapour.*

SKIN: *Irritation on short-term exposure to liquid or vapour.*

INGESTION: *Ingestion can cause gastrointestinal irritation.*

CARCINOGENICITY: *IARC, NTP, and OSHA do not list this product as a carcinogen.*

MEDICAL CONDITIONS AGGRAVATED BY LONG TERM EXPOSURE: *Respiratory symptoms associated with pre-existing lung disorders and pre-existing heart disorders may be aggravated by exposure to this material.*

CHRONIC EFFECTS:

Overexposure may result in headache, dizziness, fatigue, nausea and possible unconsciousness, even asphyxiation. Moderate irritation of skin, eyes and mucous membranes of upper respiratory tract on prolonged/repeated contact. Dermatitis and defatting of the skin. Chronic exposure may cause reversible liver and kidney injury. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

SECTION 4 - FIRST AID MEASURES

INHALATION: *Remove victim to fresh air, and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention immediately.*

EYE CONTACT: *Immediately flush eyes with running water for at least 15 minutes. Get medical attention.*

SKIN CONTACT: *Immediately flush skin with running water and remove contaminated clothing. Wash exposed area with soap and water. Get medical attention.*

INGESTION: *Do not induce vomiting. Get medical attention immediately.*

SPECIAL PRECAUTIONS / PROCEDURES: *Whenever possible, remove the worker from the source of contamination.*

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: *4.4°C (40°F)*

FLASH POINT METHOD: *TCC*

AUTO-IGNITION TEMPERATURE: *249°C (480°F)*

LEL: *0.9%v/v*

UEL: *7.0%v/v*

NFPA: *HEALTH - 1 FLAMMABILITY - 4 REACTIVITY - 0*

FLAMMABILITY CLASSIFICATION: *Division 2. Ignition can occur when this product is exposed to heat, sparks or flame.*

EXTINGUISHING MEDIA: *In case of fire, use dry chemical, carbon dioxide or foam. Water may not be effective as an extinguishing agent. Water fog or spray may be used to provide smothering effect on fire and to cool fire-exposed containers and surrounding combustibles. Do not use a solid stream of water because it can scatter and spread the fire.*

UNUSUAL FIRE OR EXPLOSION HAZARDS: *Flammable. Store and use away from all sources of heat, flame or sparks. Do not smoke while applying. Vapours are heavier than air and may travel along ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electrical motors, static discharge or other ignition sources at locations distant from material handling point and flash back. All containers should be grounded when material is transferred.*

HAZARDOUS COMBUSTION PRODUCTS: *Toxic gases or vapours such as carbon monoxide or carbon dioxide may be released in a fire.*

FIRE FIGHTING INSTRUCTIONS: *This product contains solvents that are dangerous fire and explosion hazards when exposed to heat or flame. Fire Fighters should wear self-contained breathing apparatus and full protective clothing with a full face piece operated in the positive pressure demand mode.*

FIRE FIGHTING EQUIPMENT: *Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or positive-pressure mode.*

SECTION 6 – ACCIDENTAL RELEASE MEASURES

SPILL / LEAK PROCEDURES: *Remove all sources of ignition. Avoid breathing vapours. Use self-contained breathing apparatus in enclosed area. Ventilate area. Contain and remove with inert absorbent materials and non-sparking tools.*

LARGE SPILLS

CONTAINMENT: *For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.*

CLEAN-UP: *Clean-up spill as soon as possible. Collect any excess material with absorbent pads, sand or other inert non-combustible absorbent materials. Place into appropriate waste containers for later disposal. Comply with all laws and regulations.*

REGULATORY REQUIREMENTS: *Follow applicable OSHA regulations (29 CFR 1910.120).*

SECTION 7 – HANDLING AND STORAGE

HANDLING PRECAUTIONS: *Use away from all sources of heat, flame or sparks. Do not smoke while using. Handling equipment must be grounded to prevent sparking. Handle with non-sparking tools. Wash with soap and water before eating or drinking. Launder contaminated clothing. KEEP OUT OF REACH OF CHILDREN!*

STORAGE REQUIREMENTS: *Keep containers cool, dry and store away from all sources of heat, flame and sparks. Keep containers tightly closed and store with adequate ventilation. Do not pressurize, cut, weld or grind the containers or empty containers which may contain residual product and solvent vapours that may ignite explosively.*

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: *Do not use in enclosed areas without proper explosion-proof ventilation. General and local exhaust ventilation must be sufficient to control vapour concentrations and keep the vapour concentration below 300 ppm.*

VENTILATION: *Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.*

ADMINISTRATION CONTROLS

RESPIRATORY PROTECTION: *A NIOSH approved respirator must be used if vapour concentration is 300 ppm or above.*

PROTECTIVE CLOTHING / EQUIPMENT: *Hycron or equivalent solvent permeation resistant gloves recommended. Glasses or goggles recommended. Industrial shoes to protect feet from sealant contact. Long sleeves and long trousers to protect skin from sealant contact. Protective skin creams or emollients are useful.*

SAFETY STATIONS: *Make emergency eyewash stations, safety/quick-drench showers and washing facilities available in work area.*

CONTAMINATED EQUIPMENT: *Separate contaminated work clothes from street clothes. Launder before re-use. Remove this material from your shoes and clean personal protective equipment.*

COMMENTS: *Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet or applying cosmetics.*

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: *Liquid*

APPEARANCE AND ODOUR: *Black viscous paste with hydrocarbon solvent odor.*

ODOUR THRESHOLD: *Not available.*

VAPOUR PRESSURE: *45 mm Hg at 25°C*

VAPOUR DENSITY (Air = 1): *3.9*

SPECIFIC GRAVITY (H2O=1, at 4°C): *1.03 - 1.04*

WATER SOLUBILITY: *Negligible*

BOILING POINT: *113° - 142°C*

FREEZING/MELTING POINT: *<-18°C*

% VOLATILE: *36-38*

EVAPORATION RATE: *1.6*

pH: *N/A*

SECTION 10 - STABILITY AND REACTIVITY

STABILITY: *Stable*

POLYMERIZATION: *Will not occur.*

CHEMICAL INCOMPATIBILITIES: *Strong oxidizing agents, acids and bases.*

CONDITIONS TO AVOID: *Heat, sparks and flames; ignition sources.*

HAZARDOUS DECOMPOSITION HAZARDS: *Toxic gases or vapours such as carbon monoxide, carbon dioxide or oxides of nitrogen may be released in a fire.*

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY DATA

EYE EFFECTS: *Irritating*

SKIN EFFECTS: *Product toxicity has not been determined. Following are component data:*
Light Aliphatic Solvent Naphtha: Rat, Dermal, LD50: > 4mL/kg

ACUTE INHALATION EFFECTS: *Product toxicity has not been determined. Following are component data:*
Light Aliphatic Solvent Naphtha: Rat, Inhalation, LC50: 3400 ppm for four hours

ACUTE ORAL EFFECTS: *Product toxicity has not been determined. Following are component data:*
Light Aliphatic Solvent Naphtha: Rat, Oral, LD50: > 8mL/kg

CHRONIC EFFECTS: *May cause skin sensitization in some people.*

CARCINOGENICITY: *No evidence.*

MUTAGENICITY: *No evidence.*

TERATOGENICITY: *No evidence.*

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY: *Not known.*

ENVIRONMENTAL FATE: *Not known.*

ENVIRONMENTAL DEGRADATION: *Not known.*

SOIL ABSORPTION / MOBILITY: *Not Known.*

SECTION 13 - DISPOSAL CONSIDERATION

DISPOSAL: *Dispose of in accordance with all local, state and federal regulations.*

SECTION 14 - TRANSPORT INFORMATION

DOT TRANSPORTATION DATA (49 CFR 172.101)

SHIPPING NAME: <i>Adhesives, 3, UN1133, II</i>	PACKAGING AUTHORIZATIONS	QUANTITY LIMITATIONS
SHIPPING SYMBOLS: <i>Flammable</i>	a) Exceptions: <i>173.15</i>	a) Passenger, Aircraft or Railcar: <i>5 L</i>
HAZARD CLASS: <i>3</i>	b) Non-bulk Packaging: <i>173.173</i>	b) Cargo Aircraft Only: <i>60 L</i>
ID NO.: <i>UN1133</i>	c) Bulk Packaging: <i>173.242</i>	
PACKAGING GROUP: <i>II</i>		Vessel Stowage Requirements
LABEL: <i>Red caution label required.</i>		a) Vessel Stowage: <i>B</i>
SPECIAL PROVISIONS (172.102): <i>149, B52, IB2, T4, TP1, and TP8</i>		b) Other: <i>-----</i>

SECTION 15 - REGULATORY INFORMATION

EPA REGULATIONS

RCRA Hazardous Waste Number (40 CFR 261.33): *Not listed.*

RCRA Hazardous Waste Classification (40 CFR 261): *Not classified.*

TSCA (Toxic Substances Control Act) Status: *TSCA (United States) - The intentional ingredients of this product are listed.*

CERCLA Hazardous Substance RQ - 40 CFR 302.4 (a): *Not listed.*

CERCLA RQ - 40 CFR 302.4 (b): *Materials with a "listed" RQ may be reportable as an "unlisted hazardous substance".
See 40 CFR 302.5 (b)*

SARA 311/312 Codes:

Immediate (X) Delayed (X) Fire (X) Reactive () Sudden Release of Pressure ()

SARA 313 COMPONENTS (40 CFR 372.65): *Not listed.*

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): *Not listed, Threshold Planning Quantity (TPQ)*

OSHA REGULATIONS: Air Containment (29 CFR 1910.1000, Table Z-1, Z-1-A): *Not listed.*

OSHA Specifically Regulated Substance (29 CFR 1910): *None listed.*

EPA Accidental Release Prevention (40 CFR 68): *None listed.*

STATE REGULATIONS

CALIFORNIA PROPOSITION 65:

*The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986:
This product contains the following substance(s) known to the State of California to cause reproductive harm: None*

DELAWARE AIR QUALITY MANAGEMENT LIST: *None*

FLORIDA TOXIC SUBSTANCE: *The following components are listed as a toxic substance by the state of Florida:
Amorphous Silica.*

MASSACHUSETTS HAZARDOUS SUBSTANCES LIST:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Codes</u>
<i>Amorphous Silica</i>	7631-86-9	2, 4, 5, F5

MICHIGAN CRITICAL MATERIALS REGISTRY: *None*

MINNESOTA HAZARDOUS SUBSTANCE:

<u>Chemical Name</u>	<u>Codes</u>	<u>Hazards</u>	<u>Carcinogen?</u>
<i>Silica</i>	<i>ANOR</i>	-----	*T*

NEW JERSEY RTK LABEL INFORMATION: *None*

NEW YORK LIST OF HAZARDOUS SUBSTANCES: *None*

PENNSYLVANIA RTK LABEL INFORMATION

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Code</u>
<i>Silica</i>	7631-86-9	-----

WASHINGTON AIR CONTAINMENT: *None*

SECTION 16 - OTHER INFORMATION

PREPARED BY: *Research & Development*

REVISION NOTES: *Revised to new 16-part MSDS format.*

DISCLAIMER: *The information contained in this document is based upon data that was supplied to Lexcan by other companies and organizations. No warranty of merchantability or fitness for a particular purpose is expressed or implied regarding the accuracy or completeness of the data and/or information in this material safety data sheet.*

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