

**SAFETY DATA SHEET**

**PRODUCT: GRIDLOCK**

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**SECTION 01: PRODUCT AND COMPANY INFORMATION**

MANUFACTURER/SUPPLIER ..... LES INVESTISSEMENTS B.S.C. INC.  
MANUFACTURER'S/SUPPLIERS ADDRESS..... 109 IBER RD., UNIT #3, OTTAWA, ON K2S 0X5 613-744-8896  
PRODUCT NAME ..... GRIDLOCK  
PRODUCT USE ..... ACRYLIC WAX  
EMERGENCY PHONE NUMBER..... CANUTECH 613-996-6666

**SECTION 02: HAZARDS IDENTIFICATION**



ROUTE OF ENTRY:  
SKIN CONTACT ..... PROLONGED EXPOSURE NOT LIKELY TO CAUSE SIGNIFICANT SKIN IRRITATION. PROLONGED SKIN CONTACT IS UNLIKELY TO RESULT IN ABSORPTION OF HARMFUL AMOUNTS.  
SKIN ABSORPTION ..... N.AV.  
EYE CONTACT..... MAY CAUSE MODERATE EYE IRRITATION. CORNEAL INJURY IS UNLIKELY.  
INHALATION..... NO ADVERSE EFFECTS ARE ANTICIPATED FROM SINGLE EXPOSURE TO VAPOR.  
INGESTION ..... LOW TOXICITY. SMALL AMOUNTS SWALLOWED INCIDENTAL TO NORMAL HANDLING OPERATIONS ARE NOT LIKELY TO CAUSE INJURY. SWALLOWING LARGER AMOUNTS MAY CAUSE INJURY.  
EFFECTS/SYMPTOMS OF ACUTE EXPOSURE ..... SEE ABOVE.  
EFFECTS/SYMPTOMS OF CHRONIC EXPOSURE.... SEE ABOVE.  
MEDICAL CONDITIONS GENERALLY  
AGGRAVATED BY EXPOSURE..... N.AV.

**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS HAZARDS IDENTIFICATION**

HAZARDOUS INGREDIENTS	C.A.S. #	%	TLV	LD50	LC50
DIETHYLENE GLYCOL MONOETHYL ETHER	111-90-0	1-5	N.AV.	1920 Mg/Kg (ORAL, RAT) 4200 ML/KG (DERMAL, RABBIT) 6 ML/KG (DERMAL, RAT)	INHALATION LC50 (RAT) > 5240 MG/M3 4 H
TRIS(2-BUTOXYETHYL) PHOSPHATE	78-51-3	1-5	N.AV.	3 G/KG (ORAL, RODENT - RAT) 180 MG/KG (INTRAVENOUS, RODENT - MOUSE).	N.AV.

**SECTION 04: FIRST AID MEASURES**

SKIN CONTACT ..... WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE.  
EYE CONTACT..... IN CASE OF CONTACT, OR SUSPECTED CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION IMMEDIATELY AFTER FLUSHING. REMOVE CONTACT LENSES, IF WORN.  
INHALATION..... MOVE PERSON TO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.  
INGESTION ..... DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. SEEK IMMEDIATE MEDICAL ATTENTION. IF VOMITING OCCURS SPONTANEOUSLY, KEEP

NOTES TO PHYSICIAN..... HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS.  
 NO SPECIFIC ANTIDOTE. TREATMENT OF EXPOSURE SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITION OF THE PATIENT.

**SECTION 05: FIRE FIGHTING MEASURES**

CONDITIONS OF FLAMMABILITY ..... NON-FLAMMABLE.  
 MEANS OF EXTINCTION/EXTINGUISHING MEDIA: .. WATER FOG OR FINE SPRAY, CARBON DIOXIDE, DRY CHEMICAL, FOAM. ALCOHOL RESISTANT FOAMS (ATC TYPE) ARE PREFERRED IF AVAILABLE. GENERAL PURPOSE SYNTHETIC FOAMS (INCLUDING AFFF) OR PROTEIN FOAMS MAY FUNCTION, BUT MUCH LESS EFFECTIVELY. DO NOT USE DIRECT WATER STREAM, WHICH WILL SPREAD FIRE.  
 FLASH POINT..... NONE. BOILED AT 95 (C).  
 UPPER FLAMMABLE LIMIT (% BY VOLUME)..... N.AV.  
 LOWER FLAMMABLE LIMIT (% BY VOLUME)..... N.AV.  
 AUTO-IGNITION TEMPERATURE ..... N.AV.  
 SPECIAL FIRE FIGHTING PROCEDURES..... FIRE FIGHTERS SHOULD WEAR FULL PROTECTIVE CLOTHING, INCLUDING SELF-CONTAINED BREATHING EQUIPMENT. ISOLATE AND RESTRICT AREA ACCESS. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS AND STRUCTURES. FIGHT FIRE FROM A SAFE DISTANCE AND FROM A PROTECTED LOCATION. CONSIDER USE OF UNMANNED HOSE HOLDER OR MONITOR NOZZLES. WITHDRAW IMMEDIATELY IN CASE OF RISING SOUND FROM VENTING SAFETY DEVICES OR DISCOLOURATION OF TANK. BURNING LIQUIDS MAY BE MOVED BY FLUSHING WITH WATER TO PROTECT PERSONNEL AND MINIMIZE PROPERTY DAMAGE. MOVE CONTAINERS FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK. CONTAINER MAY RUPTURE FROM GAS GENERATION IN A FIRE SITUATION. VIOLENT STEAM GENERATION OR ERUPTION MAY OCCUR UPON APPLICATION OF DIRECT WATER STREAM TO HOT LIQUIDS.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS.....  
 EXPLOSION DATA ..... N.AV.  
 SENSITIVITY TO MECHANICAL IMPACT ..... N.AV.  
 SENSITIVITY TO STATIC DISCHARGE ..... N.AV.  
 HAZARDOUS COMBUSTION PRODUCTS ..... CARBON MONOXIDE. CARBON DIOXIDE. ALDEHYDES. KETONES. ORGANIC ACIDS. SOME METALLIC OXIDES. PHOSPHORIC ACID. PHOSPHORUS OXIDES.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

ACCIDENTAL RELEASE MEASURES ..... WEAR APPROPRIATE PROTECTIVE EQUIPMENT. PREVENT ENTRY INTO SEWERS OR STREAMS, DIKE IF NEEDED. SMALL SPILLS: SOAK UP WITH ABSORBENT MATERIAL AND SCOOP INTO CONTAINERS. LARGE SPILLS: PREVENT CONTAMINATION OF WATERWAYS. DIKE AND PUMP INTO SUITABLE CONTAINERS. CLEAN UP RESIDUAL WITH ABSORBENT MATERIAL, PLACE IN APPROPRIATE CONTAINER AND FLUSH WITH WATER.

**SECTION 07: HANDLING AND STORAGE**

HANDLING PROCEDURES AND EQUIPMENT..... FOR INDUSTRIAL USE ONLY. HANDLE AND OPEN CONTAINERS WITH CARE. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT INGEST. AVOID INHALATION OF CHEMICAL. EMPTY CONTAINERS MAY CONTAIN HAZARDOUS PRODUCT RESIDUES. KEEP THE CONTAINERS CLOSED WHEN NOT IN USE. PROTECT AGAINST PHYSICAL DAMAGE. USE APPROPRIATE PERSONNEL PROTECTIVE EQUIPMENT. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. SPILLS OF THESE ORGANIC LIQUIDS ON HOT FIBROUS INSULATIONS MAY LEAD TO LOWERING OF THE AUTOIGNITION TEMPERATURE POSSIBLY RESULTING IN SPONTANEOUS COMBUSTION.  
 STORAGE REQUIREMENTS..... STORE IN A COOL, DRY, WELL-VENTILATED AREA, AWAY FROM HEAT AND IGNITION SOURCES. PLACE AWAY FROM INCOMPATIBLE MATERIALS. STORE IN ACCORDANCE WITH GOOD INDUSTRIAL

PRACTICES. STORE IN THE FOLLOWING MATERIALS: CARBON STEEL. STAINLESS STEEL. PHENOLIC LINED STEEL DRUMS. DO NOT STORE IN ALUMINUM, COPPER, COPPER ALLOYS AND GALVANIZED CONTAINERS. AWAY FROM ACIDS. STORE AWAY FROM OXIDIZING AGENTS.

**SECTION 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

ENGINEERING CONTROL.....	PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE LEVELS BELOW THE EXPOSURE GUIDELINES.
PERSONAL PROTECTIVE EQUIPMENT:	
SKIN PROTECTION .....	ALL CLEANABLE IMPERVIOUS GLOVE TYPES ARE ACCEPTABLE. SKIN CONTACT SHOULD BE PREVENTED THROUGH THE USE OF SUITABLE PROTECTIVE CLOTHING, GLOVES AND FOOTWEAR, SELECTED FOR CONDITIONS OF USE AND EXPOSURE POTENTIAL. CONSIDERATION MUST BE GIVEN BOTH TO DURABILITY AS WELL AS PERMEATION RESISTANCE.
EYE/FACE PROTECTION .....	SAFETY GLASSES WITH SIDE SHIELDS. AVOID CONTACT WITH EYES. WEAR CHEMICAL GOGGLES IF THERE IS THE POSSIBILITY OF CONTACT OR SPLASHING IN THE EYE.
RESPIRATORY PROTECTION .....	IF EXPOSURE EXCEEDS OCCUPATIONAL EXPOSURE LIMITS, USE AN APPROPRIATE NIOSH-APPROVED RESPIRATOR. NIOSH-APPROVED ATMOSPHERE-SUPPLYING RESPIRATOR OR A NIOSH-APPROVED AIR-PURIFYING RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE AND DUST/MIST PRE-FILTER IS RECOMMENDED. IN CASE OF SPILL OR LEAK RESULTING IN UNKNOWN CONCENTRATION, USE NIOSH APPROVED SUPPLIED AIR RESPIRATOR.
WORK/HYGIENE PRACTICES .....	ENSURE THAT EYEWASH STATIONS AND SAFETY SHOWERS ARE PROXIMAL TO THE WORK-STATION LOCATION. USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES.

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE.....	LIQUID
APPEARANCE & ODOUR.....	MILKY WHITE COLOUR – SLIGHT AMMONIA ODOUR
ODOUR THRESHOLD.....	N.AV.
SPECIFIC GRAVITY.....	~1.029
VAPOUR PRESSURE (MMHG).....	N.AV.
VAPOUR DENSITY (AIR=1).....	N.AV.
EVAPORATION RATE.....	N.AV.
BOILING POINT.....	N.AV.
FREEZING/MELTING POINT .....	0°C
PH.....	10
SOLUBILITY IN WATER (% W/W).....	SOLUBLE.
COEFFICIENT OF WATER/OIL DISTRIBUTION .....	N.AV.

**SECTION 10: STABILITY AND REACTIVITY**

STABILITY .....	STABLE UNDER NORMAL OPERATING CONDITIONS.
CONDITIONS TO AVOID.....	DO NOT DISTILL TO DRYNESS. PRODUCT CAN OXIDIZE AT ELEVATED TEMPERATURES. GENERATION OF GAS DURING DECOMPOSITION CAN CAUSE PRESSURE IN CLOSED SYSTEMS.
INCOMPATIBILITY (MATERIALS TO AVOID).....	STRONG ACIDS. STRONG BASES. STRONG OXIDIZERS. ALKALINES.
HAZARDOUS DECOMPOSITION PRODUCT.....	CARBON MONOXIDE. CARBON DIOXIDE. ALDEHYDES. KETONES. ORGANIC ACIDS. SOME METALLIC OXIDES. PHOSPHORIC ACID. PHOSPHORUS OXIDES.
HAZARDOUS POLYMERIZATION .....	WILL NOT OCCUR.

**SECTION 11: TOXICOLOGICAL INFORMATION**

EXPOSURE LIMITS.....	SEE SECTION 3.
IRRITANCY OF MATERIAL .....	SEE SECTION 3.
LD50.....	SEE SECTION 3.
LC50.....	SEE SECTION 3.

SENSITIZATION TO PRODUCT ..... N.AV.  
CARCINOGENICITY..... IARC - NONE OF THE INGREDIENTS ARE LISTED.  
REPRODUCTIVE TOXICITY ..... N.AV.  
TERATOGENICITY..... N.AV.  
MUTAGENICITY ..... N.AV.  
TOXICOLOGICAL SYNERGISTIC PRODUCTS..... N.AV.  
CHRONIC TOXICITY ..... N.AV.

**SECTION 12: ECOLOGICAL INFORMATION**

ECOLOGICAL INFORMATION ..... N.AV.

**SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL..... IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL REGULATIONS.

**SECTION 14: TRANSPORT INFORMATION**

PROPER SHIPPING NAME..... NOT REGULATED  
TDG CLASSIFICATION ..... N.AP.  
UN NUMBER ..... N.AP.  
PACKGING GROUP ..... N.AP.

**SECTION 15: REGULATORY INFORMATION**

WHMIS CLASSIFICATION ..... D2B.  
CPR COMPLIANCE..... THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

**SECTION 16: OTHER INFORMATION**

PREPARATION INFORMATION ..... PREPARED BY: REGULATORY AFFAIRS, TELEPHONE - (613)-744-8896  
PREPARATION DATE: JULY 1, 2016

N.AV. = NOT AVAILABLE  
N.AP. = NOT APPLICABLE