

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

PRODUCT NAME: ADHL - SEALER

MANUFACTURER/SUPPLIER: Adhesives Lab Inc
235 Rayette Rd # 4,
Vaughan, Ontario, Canada L4K 2G1

24 HOUR EMERGENCY NUMBER: CANUTEC: 1 (800) 424 - 9300

APPLICATION AND USE: Concrete curing and sealing compound formulated to meet OTC – V.O.C requirements.

PRODUCT DESCRIPTION: Single component penetrating sealer.

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION Flammable liquid- 2 ; Skin irritation- 2 ; Eye irritation -2 ; Aspiration hazard- 1 ; Specific target organ toxicity (single exposure)- 3 -central nervous system; Specific target organ toxicity (repeated exposure)- 2 - kidney, liver, spleen, blood



SIGNAL WORD **DANGER**

HAZARD STATEMENTS H226 Flammable liquid and vapour
H315 Causes skin irritation
H320 Causes eye irritation
H336 May cause drowsiness or dizziness
H373 May cause damage to organs through prolonged or repeated exposure

PRECAUTIONARY STATEMENTS

PREVENTION P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking
P261 Avoid breathing fumes/gas/mist/vapours/spray
P273 Avoid release to the environment
P280 Wear protective gloves/clothing/eye protection

RESPONSE P302+P362+P352 IF ON SKIN: Take off contaminated clothing. Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301+P310+P331 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Do NOT induce vomiting.

OTHER HAZARDS Flammable vapours may spread long distances/ may ignite explosively. Use spark-proof tools and conductive shoes to avoid sparking hazards.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	C.A.S. #	LD/50, Route, Species	LC/50, Route, Species
Acetone	30-60	67-64-1	>5,800 mg/ Kg (Oral-Rat)	
Tertiary Butyl Acetate	5-10	540-88-5	2,733 mg/ Kg (Oral-Rat) >2,000 mg/ Kg (Dermal-Rabbit)	>14,100 ppm (4hrs.) (Inhalation-Rat)
Petroleum Naphtha, Light Aromatic	10-30	64742-95-6	5,000-8,400 mg/ Kg (Oral-Rat) 14,000 mg/ Kg (Dermal-Rabbit)	3,670 ppm (4hrs.) (Inhalation-Rat)

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SECTION 4 : FIRST-AID MEASURES

FIRST-AID MEASURES

EYE CONTACT	Flush eyes with lukewarm water for at least 15 minutes. Get immediate medical attention thereafter.
SKIN CONTACT.....	Wash with soap and water and remove contaminated clothing. Wash clothing separately prior to reuse. If irritation persists, get medical attention.
INHALATION	Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen and continue to monitor. Get immediate medical attention.
INGESTION	If swallowed, DO NOT induce vomiting. Rinse mouth and call a physician or poison control centre immediately. Never give anything by mouth to an unconscious person. Stomach contents should be evacuated quickly in a manner which avoids aspiration.
SYMPTOMS AND EFFECTS, ACUTE OR DELAYED	
EYE CONTACT	Mild irritation and discomfort, may cause conjunctivitis and corneal damage when absorbed into the eye tissue.
SKIN CONTACT.....	Irritation may occur. Prolonged or repeated contact may result in skin sensitization and dermatitis due to the fatting.
INHALATION	Prolonged inhalation may result in respiratory irritation, dizziness, nausea and loss of consciousness. Get immediate medical attention.
INGESTION	Ingestion may cause severe gastrointestinal irritation, headache, nausea, vomiting
CHRONIC	Repeated and/or prolonged exposures may result in: adverse skin effects (de fatting, rash or allergic reaction/sensitization), adverse eye effects (conjunctivitis) and temporary liver and kidney damage.
IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED	Get medical attention if symptoms occur.

SECTION 5: FIRE-FIGHTING MEASURES

GENERAL FIRE HAZARDS	This product is classified as flammable category 3 (NFPA). Vapours may travel to source of ignition and flash back. Vapours may settle in low or confined spaces. May produce a floating fire hazard. Static ignition hazard can result from handling and use.
SUITABLE EXTINGUISHING MEDIA	Use carbon dioxide or dry chemical media for small fires. Use alcohol-type or all-purpose foam for large fires. Use water spray to cool fire exposed containers. Re-ignition is possible. Use water spray to disperse the vapours.
UNSUITABLE EXTINGUISHING MEDIA	No data available.
SPECIAL PROTECTION EQUIPMENT FOR FIRE FIGHTERS	Use self-contained breathing apparatus and protective clothing for large fires.
HAZARDOUS COMBUSTION PRODUCTS	Toxic gases may be formed during fire, smoke, carbon oxides, aldehydes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES	Stop leak and isolate spill from all ignition sources. Avoid all contact with eyes, skin or clothing. Do not breath in vapours or fumes. Use appropriate personal protection equipment (PPE).
ENVIRONMENTAL PRECAUTIONS	Prevent entry to drains, sewers and public waters.
CONTAINMENT AND CLEAN UP	Contain/absorb spilled product with dry sand or earth. Do not use combustible materials such as sawdust. Dispose of clean up materials as hazardous waste in accordance with all provincial, state and federal laws.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	Ground containers when transferring to sprayers. Keep containers closed when not in use. Keep containers out of direct sunlight. Once product is used, leave container lids off to allow all solvent to evaporate.
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CONDITIONS FOR SAFE STORAGE Store in a cool dry area out of direct sunlight and away from all sources of ignition. Open pails containing product must be sealed prior to storing. **DO NOT** store full or part pails in direct sunlight.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:

ACETONE	<u>ACGIH TLV</u> TWA-250 ppm STEL-500 ppm	<u>OSHA PEL</u> TWA-1800 mg/m ³ STEL-2400 mg/m ³	<u>NIOSH IDLH</u> IDLH-2500 ppm TWA-250 ppm TWA-590 mg/m ³
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TERTIARY BUTYL ACETATE	<u>ACGIH TLV</u> TWA-200 ppm	<u>OSHA PEL</u> TWA-200 ppm TWA-950 mg/m ³	<u>NIOSH</u> TWA-200 ppm TWA-950 mg/m ³
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APPROPRIATE ENGINEERING CONTROL Good ventilation should be assured to maintain vapours concentration below exposure limits. A portable eye wash station is recommended at the job site.

PERSONAL PROTECTIVE EQUIPMENT:

EYE / TYPE Splash proof chemical goggles are recommended.

RESPIRATORY PROTECTION Concentrations in air determine the level of respirator protection needed. Use only NIOSH certified equipment. A half mask air purifying respirator with organic vapour cartridge is recommended.

GLOVES/TYPE Neoprene or natural rubber gloves are required for protection of hands.

CLOTHING/TYPE Standard coveralls. Always remove any contaminated clothing and wash before reuse.

FOOTWEAR/TYPE Solvent resistant safety shoes/boots.

OTHER INFORMATION Do not eat, drink or smoke when handling this material.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid
APPEARANCE	Clear or slight yellow
ODOUR	Camphor like odour
ODOUR THRESHOLD	71 ppb
pH LEVEL	Not applicable
EVAPORATION RATE	6.3 (Butyl Acetate =1)
BOILING POINT	56°C (133°F) Acetone
FREEZING/MELTING POINT	Not Available
FLASH POINT (deg C), METHOD.....	-20°C (-4°F) Tag Closed Cup (TCC)
FLAMMABLE LIMITS IN AIR	2.5-13.0% (by volume)
AUTO IGNITION TEMPERATURE (deg C)	465°C (869°F)
VAPOUR PRESSURE (mmHg).....	180 @ 20°C (68°F)
VAPOUR DENSITY	2.0 (air=1.0)
SOLUBILITY IN WATER	Insoluble
SPECIFIC GRAVITY @20°C (68°F).....	0.870
V.O.C. Content	< 350 grams/L
PERCENT SOLIDS	25 -28%

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY Stable under normal use conditions.

CHEMICAL STABILITY Material is stable under normal use conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur under normal conditions.

CONDITIONS TO AVOID Avoid direct sunlight, heat, sparks, open flame or other ignition sources.

INCOMPATIBLE MATERIALS Avoid contact with strong acids and strong oxidizing compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides (CO, CO₂), smoke, aldehydes.

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SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE ROUTES/ SYMPTOMS AND EFFECTS

INGESTION	Product may be harmful or fatal if swallowed. Ingestion may cause central nervous system effects including dizziness, unconsciousness, coma or death.
INHALLATION	High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness and even death). High vapour concentrations are irritating for eyes, nose, throat, lungs.
EYE CONTACT	Contact with the eye may cause moderate to severe irritation.
SKIN CONTACT	Moderately irritating to the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis.
PRE-EXISTING CONDITIONS	The following diseases or disorders may be aggravated by exposure to this product: skin, eye, lung (asthma-like conditions).
CARCINOGENICITY OF MATERIAL	Not applicable
REPRODUCTIVE EFFECTS	TOXIC.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY	No data available.
PERSISTENCE AND DEGRADABILITY	This product is not expected to persist in the environment.
BIOACCUMULATIVE POTENTIAL	No data available.
MOBILITY IN THE SOIL	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL	Recover and recycle if possible. Otherwise: incineration in a permitted facility. Product in the liquid state is hazardous material and must be disposed of in accordance with all Provincial, State and Federal laws. Do not allow product to enter sewers, streams or lakes.
WASTE DISPOSAL	Empty containers of this product that are dry (no solvent) can be disposed of as normal garbage.

SECTION 14: TRANSPORTATION INFORMATION

TDG CLASSIFICATION	Paint Related Material, UN1263, Class 3, PG II
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SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION	B2, D2A, D2B
CPR (CANADA) COMPLIANCE	Meets all requirements.

SECTION 16: OTHER INFORMATION

ACGIH	American Confederation of Governmental Industrial Hygienists
IARC.....	International Agency for Research on Cancer
NTP.....	National Toxicology Program
STEL	Short Term Exposure Limit
PEL	Permissible Exposure Limit
TLV-TWA	Threshold Limit Value - Time-Weighted Average
OSHA	Occupational Safety and Health Administration
NIOSH	National Institute for Occupational Safety and Health
MSHA	Mine Safety and Health Administration
CPR	Controlled Products Regulations
CAS	Chemical Abstracts Service
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PREPARATION DATE:	November 27 2019

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