

ALVIN LAB-SOLVENT

Revision Date: 2015/12/15

Section 1: PRODUCT INFORMATION

Chemical family: Solvent blend.

Product uses: Thinner.

Manufacturer emergency phone number: Chemtrec 800-424-9300 (24h).

Supplier: Bessey Tools North America
1555 Bishop Street, Unit #6
Cambridge, Ontario
N1R 7J4
Tel.: 519-621-7240
Fax: 519-621-3442.

TDG classification: PAINT RELATED MATERIAL
UN1263
Class 3
PG II.



DSL status: Appears on DSL.

Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
108-88-3	52.35	TOLUENE	20 PPM	636 MG/KG RAT ORAL 14,100 UL/KG RABBIT DERMAL	49,000 MG/M3/4 HOURS RAT INHALATION 400 PPM/24 HOURS MOUSE INHALATION 10,000 MG/M3 MOUSE INHALATION 30,000 MG/M3/2H MOUSE INHALATION
67-64-1	47.65	ACETONE	500 PPM	5800 MG/KG RAT ORAL 3000 MG/KG MOUSE ORAL 5340 MG/KG RABBIT ORAL	50,100 MG/M3/8H RAT INHALATION 44,000 MG/M3/4H MOUSE INHALATION

Section 3: PHYSICAL DATA

Physical state: Liquid.

Appearance & odor: Clear
Aromatic odour.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): Not available.

Vapour density (air=1): Heavier than air.

Volatiles (%)

By volume: 100%

By weight: 100%

Evaporation rate (butyl acetate = 1): Not available.
Boiling point (°C): 56.1 – 110
Freezing point (°C): Not applicable.
pH: Not applicable.
Specific gravity @ 20 °C: 0.829
Solubility in water (%): Not available.
Coefficient of water/oil dist.: Not available.
Melting point (°C): Not applicable.
VOC: 7.23 lbs/gal

Section 4: FIRE & EXPLOSION DATA

Flammability: Flammable.
Conditions of flammability: Excessive heat, sparks and open flames.
Extinguishing media: Carbon dioxide, dry chemical, foam.
Alcohol foam.
Water may be ineffective but may be used to cool containers.
Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.
Use water fog to cool containers exposed to fire.
Auto-ignition temperature (°C): Not available.
Flash point (°C), method: –20 – 3.8
Lower flammability limit (% vol): Not available.
Upper flammability limit (% vol): Not available.
Explosion Data
Sensitivity to static discharge: Take precautionary measures against static discharge.
Sensitivity to mechanical impact: Protect against physical damage.
Hazardous combustion products: Carbon monoxide (CO).
Unidentified organic compounds.
Explosive power: Closed containers may rupture or explode due to pressure build-up when exposed to extreme heat.

Section 5: REACTIVITY DATA

Chemical stability: Product is stable.
Conditions of instability: Heat and open flames.
Hazardous polymerization: Peroxides.
Incompatible substances: Acids or bases.
Strong oxidizing agents.

Hazardous decomposition products: None known.

Section 6: TOXICOLOGICAL PROPERTIES

Route of entry: Inhalation and skin.

Effects of acute exposure

Eye contact: May cause severe irritation.
May cause redness and tearing.
May cause blurred vision.

Skin contact: Prolonged contact may cause dermatitis.
Prolonged contact may cause defatting of tissue.
May cause irritation on prolonged or repeated contact.

Inhalation: May cause headache.
May cause dizziness and nausea.
May cause nasal and respiratory irritation.
May affect the central nervous system.
In extreme cases, unconsciousness and death may occur.
May cause weakness.

Ingestion: May cause gastro-intestinal irritation.
May cause nausea, vomiting and diarrhea.
Aspiration of liquid into lungs may cause chemical pneumonitis which can be fatal.
Intentional misuse may be harmful or fatal.

Effects of chronic exposure: Pre-existing eye and skin disorders may be aggravated by exposure to this product.
May cause anemia.
May affect the lungs, kidney and liver.
Pre-existing liver and kidney conditions may be aggravated.
May affect the spleen.

LD50 of product, species & route: Not available for mixture, see the ingredients section.

LC50 of product, species & route: Not available for mixture, see the ingredients section.

Exposure limit of material: Not available for mixture, see the ingredients section.

Sensitization to product: Not available.

Carcinogenic effects: Not available.

Reproductive effects: Toluene may cause reproductive effects.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type:



Chemical resistant gloves.

Respiratory/Type:



If exposure limit is exceeded, wear a NIOSH approved respirator.
NIOSH approved particulate filter respirator.

Eye/Type:



Face shield.
Splash proof chemical goggles.
Do not wear contact lenses.

Footwear/Type: Safety shoes per local regulations.



Chemically resistant safety shoes or boots.

Clothing/Type: Wear adequate protective clothes.
Chemical resistant clothing.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Provide ventilation capable of maintaining emissions below the TLV.

Leak/Spill: Eliminate all sources of ignition.
Prevent entry into drains, sewers, and other waterways.
Ventilate area.
Avoid skin and eye contact.
Wear appropriate protective equipment.
Avoid breathing vapors.
Remove to non-leaking containers for disposal.
Soak up with an absorbent material.
Notify the appropriate authorities as required.
Exhaust vapors outdoors.

Waste disposal: Dispose in accordance with local, provincial/state, and federal regulations.

Handling procedures and equipment: Protect against physical damage.
Keep away from heat, sparks, and open flame.
Avoid breathing vapors/mists.
Use adequate ventilation.
Wash thoroughly after using, particularly before eating or smoking.
Wear personal protective equipment appropriate to task.
Use proper grounding procedures.
Avoid contact with skin, eyes and clothing.
Do not take internally.
Launder contaminated clothing prior to reuse.

Storage requirements: Store away from incompatible materials.
Keep containers closed when not in use.
Store in a cool, dry and well ventilated area.

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Special shipping information: See transportation information.

Section 8: FIRST AID MEASURES

- Skin contact:** Wash thoroughly with soap and water.
Remove contaminated clothing.
If irritation occurs, consult a physician.
- Eye contact:** Flush with water for at least 15 minutes, holding eyelids open with fingers.
Consult a physician.
- Inhalation:** Keep person warm and at rest.
Remove victim to fresh air. If breathing is difficult administer oxygen. If not breathing, have qualified person give artificial respiration. Obtain medical attention.
- Ingestion:** Obtain immediate medical attention.
Never give anything by mouth to an unconscious person.
Keep at rest.
Do not induce vomiting, unless directed to do so by a physician.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 9: ADDITIONAL INFORMATION

General note: This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.

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