

LAB-SOLVENT – LS-16, LS-128

Revision Date: 2007/08/22

Section 1: PRODUCT INFORMATION

Chemical family: Solvent blend.

Product uses: Thinner.

Manufacturer: Alvin Products, Inc.
A Division of Dampney Co. Inc.
85 Paris Street,
Everett, MA 02149.

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

Supplier: Bessey Tools North America Ltd.
1165 Franklin Blvd.
Unit 'G'
Cambridge, ON, N1R 8E1
Tel.: 519-621-7240
Fax: 519-621-3442.

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

WHMIS classification:
B2, D2B.

DSL status: Appears on DSL.

Supplier MSDS date: 2006/11/13



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):** 7.909

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.

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 – 7.2

**Lower flammability
limit (% vol):** 1.4

**Upper flammability
limit (% vol):** 12.8

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: Will not occur.

Incompatible substances: Acids or bases.
Strong oxidizing agents.

Hazardous decomposition products: See hazardous combustion products.

Section 6: TOXICOLOGICAL PROPERTIES

Route of entry: Skin contact, eye contact, inhalation and ingestion.

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 nasal and respiratory irritation.
May affect the central nervous system.
In extreme cases, unconsciousness and death may occur.

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.

Effects of chronic exposure: May cause lung damage.
May cause liver and kidney damage.
May cause cardiac abnormalities.
Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.
May cause damage to the spleen.
Pre-existing eye and skin disorders may be aggravated by exposure to this product.
May cause anemia.
May cause hearing loss.
May aggravate liver and kidney conditions.

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: Not available.

Teratogenicity: Toluene is an experimental teratogen.

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.

Clothing/Type: Wear adequate protective clothes.

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.
Wear appropriate protective equipment.
Soak up with an absorbent material.
Place in a closed container for disposal.

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 below 37.7°C (100°F).
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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