



Dampney Company, Inc.  
85 Paris Street  
Everett, Massachusetts, U.S.A. 02149  
Email: sales@dampney.com  
Telephone: (617) 389 2805

Alvin Products Lab Solvent  
SDS Preparation Date (mm/dd/yyyy): 06/20/2017

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## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Alvin Products Lab Solvent**

**Recommended use of the chemical and restrictions on use**

: **Lab Metal thinner, equipment cleaning**

Use pattern: Professional Use Only

Recommended restrictions: None Known.

**Chemical family**

: Mixture.

**Name, address, and telephone number of the manufacturer:**

Dampney Company, Inc.

85 Paris Street

Everett, Massachusetts, U.S.A.

02149

Email: sales@dampney.com

Supplier's Telephone #: (617) 389-2805

**24 Hr. Emergency Tel #** : Chemtrec 1-800-424-9300 (Within Continental U.S.);

Chemtrec 703-527-3887(Outside U.S.).

### SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Clear liquid. Solvent odor.

Classification:

Aspiration Hazard – Category 1

Eye irritation – Category 2

Flammable Liquid – Category 2

Skin Irritation – Category 2

Specific Target Organ Toxicity - Repeated Exposure – Category 2 (Central nervous system, kidney, liver)

Specific Target Organ Toxicity - Single Exposure – Category 3

**Label elements**

*Hazard pictogram(s)*



*Signal Word*

DANGER

*Hazard statement(s)*

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.



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H373 May cause damage to organs through prolonged or repeated exposure.

### Prevention:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat, sparks, open flames, hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical, ventilating, lighting, mixing, application equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust, fume, gas, mist, vapours, or spray.
- P264 Wash hands thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P281 Use personal protective gloves, protective clothing, eye protection, and face protection.

### Response:

- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER, doctor or hospital emergency room.
- P302 + P352 IF ON SKIN: Wash with plenty of water.
- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER, doctor, or hospital emergency room if you feel unwell.
- P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER, doctor, or hospital emergency room.
- P308 + P313 IF exposed or concerned: Get medical advice/attention.
- P312 Call a POISON CENTER, doctor, or hospital emergency room if you feel unwell.
- P314 Get medical advice/attention if you feel unwell.
- P331 Do NOT induce vomiting.
- P332 + P313 If skin irritation occurs: Get medical advice/attention.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.
- P370 + P378 In case of fire: Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam to extinguish.

### Storage:

- P403 + P233 + P235 (S) Store in a cool, well-ventilated place. Keep container tightly closed.
- P405 Store locked up.

### Disposal:

- P501 Dispose of contents and empty container in accordance with local, state and federal regulations. Causes skin irritation

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

| Chemical Name | CAS-No   | Weight %* |
|---------------|----------|-----------|
| Toluene       | 108-88-3 | 52.35     |
| Acetone       | 67-64-1  | 47.65     |

The exact concentrations of the above listed chemicals are being withheld as a trade secret.



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### SECTION 4. FIRST-AID MEASURES

First aid measures for different exposure routes

|                |                                                                                                                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General advice | Avoid contact with eyes, skin, and clothing. Avoid breathing, vapors, mist, or gas.                                                                                                                                              |
| Eye contact    | Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician if irritation persists.                                                                                                                       |
| Skin contact   | Wash off immediately with soap and plenty of water. Get medical attention immediately if symptoms occur.                                                                                                                         |
| Inhalation     | Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.                                                                                      |
| Ingestion      | Most important symptoms/effects, acute and delayed. Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion. |

### SECTION 5. FIRE-FIGHTING MEASURES

|                                                       |                                                                                                                                                                                                         |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Extinguishing Media                          | Alcohol resistant foam, Carbon dioxide (CO <sub>2</sub> ), Dry chemical. Cool containers / tanks with water spray.                                                                                      |
| Unsuitable Extinguishing Media                        | Do not use a solid water stream as it may scatter and spread fire.                                                                                                                                      |
| Specific hazards during firefighting                  | Do not allow run-off from fire fighting to enter drains or water courses.                                                                                                                               |
| Hazardous combustion products                         | Oxides of carbon and various hydrocarbons.                                                                                                                                                              |
| Specific extinguishing methods                        | Use a water spray to cool fully closed containers.                                                                                                                                                      |
| Protective Equipment and Precautions for Firefighters | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use shielding to protect fire-fighters from bursting containers. |

### SECTION 6. ACCIDENTAL RELEASE MEASURES

|                                                                     |                                                                                                           |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures |                                                                                                           |
| Personal precautions                                                | Eliminate all ignition sources. Maintain adequate ventilation to keep the exposure levels below the DELS. |
| Environmental precautions                                           | Report spills as required by local and federal regulations. Avoid contaminating ground and surface water  |
| Methods for Containment                                             | Prevent further leakage or spillage if safe to do so. Dike spill area to contain liquid.                  |
| Methods for cleaning up                                             | Contain liquid and collect with a non-combustible material.                                               |

### SECTION 7. HANDLING AND STORAGE

|                                                              |                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling                                |                                                                                                                                                                                                                                                               |
| Advice on safe handling                                      | Avoid contact with eyes. Avoid breathing vapors or mists. Avoid skin contact. Use with adequate ventilation. Keep away from heat, flames, and all other sources of ignition. Keep away from all sources of electricity such as electric motors and batteries. |
| Conditions for safe storage, including any incompatibilities |                                                                                                                                                                                                                                                               |
| Technical measures/Storage conditions                        | Keep containers tightly closed in a cool, well-ventilated place.                                                                                                                                                                                              |

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Control Parameters:

| Chemical Name | ACGIH                            | OSHA                                 | NIOSH                              |
|---------------|----------------------------------|--------------------------------------|------------------------------------|
| Toluene       | TWA: 20 ppm 75 mg/m <sup>3</sup> | TWA: 200 ppm                         | TWA: 100 ppm 375 mg/m <sup>3</sup> |
| Acetone       | TLV 8hr 500 ppm                  | PEL: 1000 ppm 2400 mg/m <sup>3</sup> |                                    |

ACGIH: (American Conference of Governmental Industrial Hygienists)



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OSHA: (Occupational Safety & Health Administration)  
NIOSH: (National Institute for Occupational Safety and Health)  
TWA: Time Weighted Average

Exposure controls  
Engineering Measures                      Ventilation systems. Use adequate ventilation to keep the exposure levels below the OELs.

Individual protection measures, such as personal protective equipment

Eye/Face Protection                      Safety glasses with side-shields.

Skin and body protection                      Chemical resistant apron. Protective gloves.

Respiratory protection                      If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures                      Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                   |                                           |
|-----------------------------------|-------------------------------------------|
| Appearance                        | : Clear Liquid                            |
| Odour                             | : Solvent                                 |
| pH                                | : No information available                |
| Melting/Freezing point            | : N/A                                     |
| Boiling point                     | : 133.0°F                                 |
| Flash point                       | : 1.4°F – 39.0°F                          |
| Evaporation rate (BuAe = 1)       | : 7.909 times faster than n-Butyl Acetate |
| Lower flammable limit (% by vol.) | : 1.4                                     |
| Upper flammable limit (% by vol.) | : 12.8                                    |
| Vapour pressure Vapour density    | : No information available                |
| Specific gravity                  | : 0.829                                   |
| Weight per gallon                 | : 6.9 lbs                                 |
| Solubility in water               | : No information available                |
| Auto-ignition temperature         | : 809°F                                   |
| VOC                               | : 6.90 lbs/gal                            |

### SECTION 10. STABILITY AND REACTIVITY

|                                    |                                                                  |
|------------------------------------|------------------------------------------------------------------|
| Reactivity                         | Stable under recommended storage conditions                      |
| Chemical stability                 | Stable under recommended storage conditions.                     |
| Possibility of hazardous reactions | None under normal processing.                                    |
| Conditions to Avoid                | Keep away from heat, flame and other potential ignition sources. |
| Incompatible Materials             | Store away from strong acids or oxidizers.                       |
| Hazardous Decomposition Products   | Carbon oxides. Fumes. Hydrocarbons.                              |

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

|              |                                                                                                                   |
|--------------|-------------------------------------------------------------------------------------------------------------------|
| Skin contact | Prolonged skin contact can cause redness and irritation. Severity depends on the amount and duration of exposure. |
| Eye contact  | Vapors are irritating to eyes. Liquid contact will cause stinging and tearing.                                    |
| Inhalation   | Exposure to high vapour concentrations may cause nervous systems effects such as headache, nausea, and dizziness. |
| Ingestion    | Aspiration into the lungs during swallowing may result in damage or death.                                        |



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### Component Information

| Chemical Name | LD50 Oral          | LD50 Dermal             | LD50 Inhalation        |
|---------------|--------------------|-------------------------|------------------------|
| Toluene       | 5,580 mg/kg (Rat)  | > 12,196 mg/kg (Rabbit) | 12,500 mg/m3 (Rat) 4 h |
| Acetone       | >2,000 mg/kg (Rat) | >2,000 mg/kg (Rabbit)   | >20 mg/l (Rat)         |

### SECTION 12. ECOLOGICAL INFORMATION

| Chemical Name | Fish                                      | Aquatic invertebrates                       | Algae                                   |
|---------------|-------------------------------------------|---------------------------------------------|-----------------------------------------|
| Toluene       | LC50 (Salmon) 5,500 mg/l<br>96 hours      | EC50 (Daphnia magna)<br>6,000 ug/l 48 hours | EC50 433 ppm (Algae)<br>96 hours        |
| Acetone       | LC50 (rainbow trout) 100<br>mg/l 96 hours | EC50 (water flea) 100 mg/l<br>48 hours      | EC50 (green algae) 100<br>mg/l 96 hours |

Persistence and degradability : Not available.  
Bio-accumulative potential : This product is readily biodegradable.  
Mobility : Accidental spillage may lead to penetration in the soil.

### SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal : Handle in accordance with good industrial hygiene and safety practice.  
Methods of Disposal : Dispose in accordance with all applicable regulations.

### SECTION 14. TRANSPORTATION INFORMATION

| Regulatory Information              | UN Number                                                                                                                                                                                                              | UN proper shipping name | Transport hazard class(es) | Packing Group | Label     |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------|---------------|-----------|
| 49CFR/DOT                           | UN1263                                                                                                                                                                                                                 | Paint related material  | 3                          | II            | FLAMMABLE |
| 49CFR/DOT<br>Additional information | When transported as a limited quantity the maximum net capacity specified in 173.150(b)(2) of the subchapter 49CFR for inner packagings may be increased to 5L (1.3 gallons) 172.102(C)(1)(149) special provision 149. |                         |                            |               |           |
| TDG                                 | UN1263                                                                                                                                                                                                                 | Paint related material  | 3                          | II            | FLAMMABLE |
| TDG<br>Additional information       | May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.                                                          |                         |                            |               |           |
| IMDG                                | UN1263                                                                                                                                                                                                                 | Paint related material  | 3                          | II            | FLAMMABLE |
| IMDG<br>Additional information      | May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.                                                          |                         |                            |               |           |
| ICAO/IATA                           | UN1263                                                                                                                                                                                                                 | Paint related material  | 3                          | II            | FLAMMABLE |
| ICAO/IATA<br>Additional information | May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.                                                          |                         |                            |               |           |



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### SECTION 15 - REGULATORY INFORMATION

#### U.S. Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name | CAS-No   | Weight %* | SARA 313 -Threshold Values % |
|---------------|----------|-----------|------------------------------|
| Toluene       | 108-88-3 | 52.35     | 1.0                          |
| Acetone       | 67-64-1  | 47.65     | n/a                          |

##### SARA 311/312 Hazard Categories

|                       |     |
|-----------------------|-----|
| Acute Health Hazard   | Yes |
| Chronic Health Hazard | Yes |
| Fire Hazard           | Yes |

##### Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical Name    | CWA - Reportable Quantities | CWA -Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|------------------|-----------------------------|-----------------------|---------------------------|----------------------------|
| Toluene 108-88-3 | 1000lb                      | X                     | X                         | X                          |
| Acetone 67-64-1  | n/a                         | n/a                   | n/a                       | n/a                        |

##### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical Name    | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ                  |
|------------------|--------------------------|------------------------------------|---------------------|
| Toluene 108-88-3 | 1000 lb                  |                                    | RQ 1000 lb final RQ |
| Acetone 67-64-1  | n/a                      | n/a                                | n/a                 |

##### California Proposition 65

This product contains the following Proposition 65 chemicals:

| Chemical Name     | California Prop. 65 |
|-------------------|---------------------|
| Toluene -108-88-3 | Developmental       |

##### US State Right to Know Laws:

| Chemical Name    | New Jersey | Massachusetts | Pennsylvania |
|------------------|------------|---------------|--------------|
| Toluene 108-88-3 | X          | X             | X            |
| Acetone 67-64-1  | X          | X             | X            |

### SECTION 16. OTHER INFORMATION

#### NFPA

|               |   |
|---------------|---|
| Health hazard | 2 |
| Flammability  | 3 |



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Reactivity 0

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### Other special considerations for handling

: Provide adequate information, instruction and training for operators.

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## DISCLAIMER

The information and recommendations contained herein are based on data believed to be correct. However, Dampney makes no warranty expressed or implied regarding the accuracy of these data or results to be obtained from the use thereof. Dampney assumes no responsibility for personal injury or property damage caused by use of the material described herein. It is the responsibility of the purchaser or the user to ensure that this material is properly and safely used.

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