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

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label : Hi Temp Lab Metal
Product Code(s) : 11101, 11102
Recommended use of the chemical and restrictions on use
: Heat Resistant Metal Patching Compound
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.)

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical
Gray paste. Solvent odor.

Most important hazards: This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Classification:
Flammable Liquids - Category 2 Skin Irritation - Category 2
Serious eye damage/eye irritation - Category 2A Reproductive Toxicity - Category 2
Carcinogen - Category 2
Specific Target Organ Toxicity, Single Exposure - Category 3 narcotic effects
Specific Target Organ Toxicity, Single Exposure -Category 3 (respiratory)
Specific Target Organ Toxicity, Repeated Exposure - Category 2 (CNS)

Label elements

Hazard pictogram(s)

Signal Word
DANGER!

Hazard statement(s)
Highly flammable liquid and vapour. Causes skin irritation.
Causes serious eye irritation.
Suspected of damaging the unborn child. Suspected of causing cancer.
May cause drowsiness or dizziness. May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statement(s)
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood. Keep away from heat, open flames and hot surfaces. - No smoking.
Keep container tightly closed.
Ground/Bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.
Take precautionary measures against static discharge. Do not breathe mist or vapor.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/clothing and eye/face protection.

Response:
If exposed or concerned: Get medical attention/advice.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
If skin irritation occurs, get medical advice/attention.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use water fog, dry chemical, CO2 or 'alcohol' foam for extinction.

Storage:
Store locked up.
Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Disposal:
Dispose of contents/container in accordance with local regulation.

Other hazards
No OSHA defined hazard classes.
Other hazards which do not result in classification:
Burning produces obnoxious and toxic fumes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Environmental precautions: Avoid release to the environment. See ECOLOGICAL INFORMATION, Section 12.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	Common name and synonyms	CAS #	Concentration
Aluminum powder	Alumina	7429-90-5	41.35
Zinc dust	Elemental zinc	7440-66-6	8.77
Xylene	Dimethylbenzene Methyltoluene Xylol	1330-20-7	5.41
Methyl ethyl ketone	Butanone Methyl acetone	78-93-3	5.04
Toluene	Methylbenzene Phenylmethane	108-88-3	3.74
Ethylbenzene	Ethylbenzol Phenylethane	100-41-4	1.66

SECTION 4. FIRST AID MEASURES

Description of first aid measures
Ingestion: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.

Inhalation: If inhaled: Remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Call a POISON CENTRE or doctor/physician if you feel unwell.

Skin contact: Immediately flush with plenty of water, while removing contaminated clothing.Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.

Eye contact: For eye contact, flush with running water for at least 15 minutes.If eye irritation persists: get medical advice/attention.
Most important symptoms and effects, both acute and delayed
: Causes skin irritation. Redness, swelling, itching and dryness. May cause respiratory irritation. May cause coughing and breathing difficulties. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause headache, nausea, dizziness and other symptoms of central nervous system depression. Causes serious eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis. Suspected of damaging fertility or the unborn child. May cause damage to the central nervous system through prolonged or repeated exposure if inhaled. Suspected of causing cancer. .
Indication of any immediate medical attention and special treatment needed
: Treat symptomatically.This product is a CNS depressant.

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing media
Suitable extinguishing media: Carbon dioxide (CO2); Dry chemical; Alcohol resistant foam; Water fog.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture / Conditions of flammability:
Highly flammable liquid and vapour. Vapours may ignite explosively. Vapours are heavier than air and may spread along floors.

Static discharge, impact, friction, and heat may ignite exposed chemical material.

Flammability classification (OSHA 29 CFR 1910.106):

Flammable Liquids - Category 2

Hazardous combustion products:

Carbon dioxide, carbon monoxide and other unidentified organic compounds.

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters:

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Special fire-fighting procedures:

Do not breathe fumes or vapours. Move containers from fire area if safe to do so. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

Environmental precautions:

Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

Methods and material for containment and cleaning up:

Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools and equipment in the clean-up process. Avoid breathing mist or vapours. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).Contact the proper local authorities. Refer to Section 13 for disposal of contaminated material.

Special spill response procedures:

In case of a transportation accident, contact CHEMTREC at 1-800-424-9300 or International at 1-703-527-3887. EPA/CERCLA Reportable quantity (RQ): Xylene (100 lbs / 45.4 kg); Ethylbenzene /Toluene; Zinc (1000 lbs / 454 kg) ; Methyl ethyl ketone (5000 lbs / 2270 kg)

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/clothing and eye/face protection. Use only in well-ventilated areas. Do not breathe mist or vapor. Avoid contact with skin, eyes and clothing. Keep container tightly closed. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Keep away from flames and hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharges. Ground all equipment during handling.

Conditions for safe storage

Keep container tightly closed. Store in cool/well-ventilated place. Store locked up. Keep cool. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking. Empty containers may contain hazardous residues.

Incompatible materials:

Strong oxidizers, acids and bases.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Chemical Name	ACGIH TLV		OSHA	PEL
	TWA	STEL	PEL	STEL
Aluminum powder	1 mg/m³ (respirable)	N/Av	15 mg/m³ (total dust); 5 mg/m³ (respirable)	N/Av
Zinc dust	N/Av	N/Av	N/Av	N/Av
Xylene	100 ppm	150 ppm	100 ppm (435 mg/m³)	N/Av
Methyl ethyl ketone	200 ppm	300 ppm	200 ppm (590 mg/m³)	N/Av
Toluene	20 ppm	N/Av	200 ppm	300 ppm (Ceiling)
Ethylbenzene	20 ppm	N/Av	100 ppm (435 mg/m³)	N/Av

Exposure controls

Ventilation and engineering measures:

Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Use explosion-proof

equipment. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory protection:

If airbourne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02. Advice should be sought from respiratory protection specialists.

Skin protection:

Wear protective gloves/clothing. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. Advice should be sought from glove suppliers.

Eye / face protection:

Wear chemical goggles.

Other protective equipment:

Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

General hygiene considerations:

Do not breathe mist or vapor. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not take contaminated clothing home. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Gray paste
Odour	: Solvent odor.
Odour threshold	: Not available.
pH	: No information available.
Melting/Freezing point	: Not available.
Initial boiling point and boiling range	: 110 - 137.22°C (230-279°F)
Flash point	: 7.2-26.6°C (45-80°F)
Flashpoint (Method)	: Closed cup
Evaporation rate (BuAe = 1)	: 0.195 times faster
Lower flammable limit (% by vol.)	: 1.0%
Upper flammable limit (% by vol.)	: 7.4%
Explosive properties	: Not explosive
Vicosity	: 2500 cSt at 40°C 10.95%
Vapour pressure Vapour density	: > 1
Relative density / Specific gravity	:1.85495
Weight per gallon	: 16.594 lbs
Solubility in water	: Not available.
Other solubility(ies)	: N/Ap
Partition coefficient: n-octanol/water or Coefficient of water/oil distribution	: Not available.
Auto-ignition temperature	: Not available.
Volatiles (% by weight)	: 10.95%
Volatiles (% by volume)	: 24.09%
Volatile organic Compounds (VOC's)	: 1.82 lbs/gal
Other physical/chemical comments	: None known or reported by the manufacturer.

SECTION 10. STABILIY AND REACTIVITY

Reactivity : Not normally reactive.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions
: Hazardous polymerization does not occur.
Conditions to avoid:

Open flames, sparks, high heat, direct sunlight, and close proximity to incompatible substances. Do not use in areas without adequate ventilation.

Incompatible materials
: Strong oxidizers, acids and bases.
Hazardous decomposition products
: See Section 5 (Fire Fighting Measures).

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES
Routes of entry skin & eye : YES
Routes of entry Ingestion : YES

Routes of exposure skin absorption
: YES

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation: May cause respiratory tract irritation. Symptoms may include sore throat, running nose and shortness of breath. May cause headache, nausea, dizziness and other symptoms of central nervous system depression.

Sign and symptoms ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sign and symptoms skin: Causes skin irritation. Symptoms may include redness, edema, drying defatting and cracking of the skin.

Sign and symptoms eyes: Causes serious eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis.

Potential Chronic Health Effects: Prolonged exposure can cause central nervous system effects.

Mutagenicity : Not expected to be mutagenic in humans.

Carcinogenicity : This material is not classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Carcinogenicity- Category 2 Suspected of causing cancer. Contains Ethylbenzene. Ethylbenzene is classifed as carcinogenic by IARC (Group 2B) and ACGIH (Category A3).

Reproductive effects & Teratogenicity: This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Reproductive Toxicity - Category 2 Suspected of damaging the unborn child.
Contains Toluene. Toluene may cause fetotoxic effects at doses which are not maternally toxic, based on animal data.

Sensitization to material: Not expected to be a skin or respiratory sensitizer.

Specific target organ effects: This material is classified as hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012). Classification: Specific target organ toxicity, single exposure - Category 3. May cause drowsiness or dizziness. May cause respiratory irritation.

Specific target organ toxicity (STOT), repeated exposure - Category 2 May cause damage to the central nervous system through prolonged or repeated exposure if inhaled.

Medical conditions aggravated by overexposure:
Pre-existing skin, eye, respiratory and central nervous system disorders.
Synergistic materials: No information available.
Toxicological data: There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data. See below for toxicological data on the substance.

Chemical name	LC50(4hr) inh, rat	LD50	
		(Oral, rat)	(Rabbit, dermal)
Aluminum powder	> 2.3 mg/L (dust) (No mortality)	> 2000 mg/kg (No mortality)	N/Av
Zinc dust	> 5.4 mg/L (dust) (No mortality)	> 2000 mg/kg (No mortality)	n/av
Xylene	6350 ppm (27.6 mg/L) (vapours)	3253 mg/kg	12 180 mg/kg
Methyl ethyl ketone	11 300 ppm (33.3 mg/L (vapour)	2740 mg/kg	6480 mg/kg
Toluene	7585 ppm (28.1 mg/L) (vapour)	5580 mg/kg	12 125 mg/kg
Ethylbenzene	4000 ppm (17.4 mg/L) (vapour)	3500 mg/kg	15 380 mg/kg

Other important toxicological hazards: None reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Do not allow material to contaminate ground water system. See data for individual ingredient ecotoxicity data.

Ecotoxicity data:

Ingredients	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Aluminum powder	7429-90-5	N/Av	N/Av	None.

Zinc dust	7440-66-6	N/Av	N/Av	None.
Xylene	1330-20-7	8.2 mg/L (Rainbow trout)	N/Av	None.
Methyl ethyl ketone	78-93-3	2993 mg/L (Fathead minnow)	N/Av	None.
Toluene	108-88-3	5.4 mg/L (pink salmon)	1.4 - 4.0 mg/L	None.
Ethylbenzene	100-41-4	4.2 mg/L (Rainbow trout)	1.13 mg/L/30 days	None.

Ingredients	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Aluminum powder	7429-90-5	N/Av	N/Av	None.
Zinc dust	7440-66-6	0.07 mg/L (Daphnia magna)	0.12 mg/L/29-day	10
Xylene	1330-20-7	3.2 - 9.56 mg/L (Daphnia magna)	N/Av	None.
Methyl ethyl ketone	78-93-3	308 mg/L (Daphnia magna)	N/Av	None.
Toluene	108-88-3	3.78 mg/L Ceriodaphnia (water flea)	0.53 - 1 mg/L	None.
Ethylbenzene	100-41-4	1.81 mg/L (Daphnia magna)	N/Av	None.

Ingredients	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Aluminum powder	7429-90-5	N/Av	N/Av	None.
Zinc dust	7440-66-6	0.15 mg/L/72hr (Green algae)	0.05 mg/L/72hr	1
Xylene	1330-20-7	3.2 - 4.9 mg/L/72hr (Green algae)	N/Av	None.
Methyl ethyl ketone	78-93-3	1972 mg/L/72hr (Green algae)	1240 mg/L/96hr	None.
Toluene	108-88-3	N/Av	10 mg/L/72hr (Green algae)	None.
Ethylbenzene	100-41-4	3.6 mg/L/96hr (Green algae)	3.4 mg/L/96hr	None.

Persistence and degradability: No data is available on the product itself.

Bioaccumulation potential: No data is available on the product itself.

Components	CAS	Partition coefficent n-octanol/ater (log Kow)	Bioconcentration factor (BCF)
Aluminum powder	7429-90-5	N/Ap	N/Ap
Zinc dust	7440-66-6	N/Ap	N/Ap
Xylene	1330-20-7	3.12 - 3.2	0.6 - 15
Methyl ethyl ketone	78-93-3	0.29	3
Toluene	108-88-3	2.73	90
Ethylbenzene	100-41-4	3.15	15 species: fish

Mobility in soil: No data is available on the product itself.
Other Adverse Environmental effects: None known.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

Methods of Disposal: Dispose in accordance with all applicable federal, state, provincial and local regulations.

RCRA: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

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

SECTION 14. TRANSPORATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	UN1263	Paint	3	II	
Additional information	Special provision 149 allows this product to be shipped as a Limited Quantity. Inner package size must not exceed 5 liters (1.3 gallons) with a 30 kg gross per package.				
TDG	UN1263	Paint	3	II	
Additional information	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass.				
IMDG	UN1263	Paint	3	II	
Additional information	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass.				
ICAO/IATA	UN1263	Paint	3	II	
Additional information	Refer to the appropriate Packing Instruction, prior to shipping this material.				

Special precautions for user: Appropriate advice on safety must accompany the package.

Environmental hazards: See ECOLOGICAL INFORMATION, Section 12.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: This information is not available.

SECTION 15. REGULATORY INFORMATION

US Federal Information:
Components listed below are present on the following U.S. Federal chemical lists:

Ingredients	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Aluminum powder	7429-90-5	Yes	None.	None.	Yes	1%
Zinc dust	7440-66-6	Yes	1000 lbs / 454 kg	None.	Yes	1%
Xylene	1330-20-7	Yes	100 lb/ 45.4 kg	None.	Yes	1%
Methyl ethyl ketone	78-93-3	Yes	5000 lb/ 2270 kg	None.	No	N/Ap
Toluene	108-88-3	Yes	1000 lb/ 454 kg	None.	Yes	1%
Ethylbenzene	100-41-4	Yes	1000 lb/ 454 kg	None.	Yes	0.1%

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Fire Hazard; Immediate (Acute) health hazard; Chronic Health Hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.
US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

Ingredients	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Aluminum powder	7429-90-5	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Zinc dust	7440-66-6	No	N/Ap	Yes	Yes	No	Yes	Yes	Yes
Xylene	1330-20-7	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes

Methyl ethyl ketone	78-93-3	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Toluene	108-88-3	No	Developmental	Yes	Yes	Yes	Yes	Yes	Yes
Ethylbenzene	100-41-4	Yes	Cancer	Yes	Yes	Yes	Yes	Yes	Yes

Canadian Information: Canadian Environmental Protection Act (CEPA): All ingredients are present on the DSL. WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

International Information: Components listed below are present on the following International Inventory list:

Ingredients	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Aluminum powder	7429-90-5	231-072-3	Present	Present	Not listed	KE-00881	Present	HSR001263 (coated, PGII); HSNO Approval: HSR001471, HSR001473 (coated, PGIII); HSNO Approval: HSR001474 (pyrophoric); HSNO Approval: HSR001472 (uncoated, PGII)
Zinc dust	7440-66-6	231-175-3	Present	Present	Not listed	KE-35518	Present	HSR001478, HSR001477, HSR001301, HSR001475, HSR001476
Xylene	1330-20-7	215-535-7	Present	Present	(3)-60; (3)-3	KE-35427	Present	HSR000983
Methyl ethyl ketone	78-93-3	201-159-0	Present	Present	(2)-542	KE-24094	Present	HSR001190
Toluene	108-88-3	203-625-9	Present	Present	(3)-2	KE-33936	Present	HSR001227
Ethylbenzene	100-41-4	202-849-4	Present	Present	(3)-60; (3)-28	KE-13532	Present	HSR001151

SECTION 16. OTHER INFORMATION

Legend:

ACGIH: American Conference of Governmental Industrial Hygienists
AICS: Australian Inventory of Chemical Substances
ATE: Acute Toxicity Estimate
CA: California
CAS: Chemical Abstract Services
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR: Code of Federal Regulations
CSA: Canadian Standards Association
DOT: Department of Transportation
ECHA: European Chemicals Agency
ECOTOX: U.S.
EPA Ecotoxicology Database
EINECS: European Inventory of Existing Commercial chemical Substances
ENCS: Existing and New Chemical Substances
EPA: Environmental Protection Agency
HSDB: Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer IBC: Intermediate Bulk Container
IECSC: Inventory of Existing Chemical Substances
IMDG: International Maritime Dangerous Goods
IOC: Inventory of Chemicals
IUCLID: International Uniform ChemicaL Information Database
KECI: Korean Existing Chemicals Inventory
KECL: Korean Existing Chemicals List
LC: Lethal Concentration

LD: Lethal Dose
MA: Massachusetts
MN: Minnesota
N/Ap: Not Applicable
N/Av: Not Available
NIOSH: National Institute of Occupational Safety and Health
NJ: New Jersey
NOEC: No observable effect concentration
NTP: National Toxicology Program
OECD: Organisation for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PA: Pennsylvania
PEL: Permissible exposure limit
PICCS: Philippine Inventory of Chemicals and Chemical Substances
RCRA: Resource Conservation and Recovery Act
RI: Rhode Island
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet / Material Safety Data Sheet
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TSCA: Toxic Substance Control Act
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System

References:

ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2015.
International Agency for Research on Cancer Monographs, searched 2015.
Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2015 (Chempendium, HSDB and RTECs).
Safety Data Sheets from manufacturer.
US EPA Title III List of Lists - 2015 version.
California Proposition 65 List -2015 version

Preparation Date (mm/dd/yyyy): 06/25/2021

Other special considerations for handling: Provide adequate information, instruction and training for operators.

Prepared by:
Dampney Company, Inc.
85 Paris Street
Everett MA 02149 U.S.A
Telephone: (617) 389-2805
mail@dampney.com

DISCLAIMER

This Safety Data Sheet was prepared by Dampney Company, Inc. and CCOHS' Web Information Service. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. Dampney Company, Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this Safety Data Sheet does not apply to use with any other product or in any other process.

END OF DOCUMENT

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

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.

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, CO2, 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.

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

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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. Cal! 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 (CO2), 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/m3	TWA: 200 ppm	TWA: 100 ppm 375 mg/m3
Acetone	TLV 8hr 500 ppm	PEL: 1000 ppm 2400 mg/m3	

ACGIH: (American Conference of Governmental Industrial Hygienists)

Dampney Company, Inc.
85 Paris Street
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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 96 hours	EC50 (Daphnia magna) 6,000 ug/l 48 hours	EC50 433 ppm (Algae) 96 hours
Acetone	LC50 (rainbow trout) 100 mg/l 96 hours	EC50 (water flea) 100 mg/l 48 hours	EC50 (green algae) 100 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 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 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 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 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
Prepared by	Dampney Company, Inc. 85 Paris Street Everett, MA 02149 Tel. 617-389-2805 Fax. 617-389-0484 Email mail@dampney.com

Preparation Date (mm/dd/yyyy: 06/20/2017

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

Dampney Company, Inc. 85 Paris Street Everett MA 02149 U.S.A Telephone: (617) 389-2805	

DISCLAIMER

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