

SAFETY DATA SHEET



Date Prepared : 08/11/2003
 MSDS No : 360350
 Date-Revised : 04/03/2015
 Revision No : 5

LACQUER THINNER T

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LACQUER THINNER T
PRODUCT DESCRIPTION: LACQUER THINNER T
PRODUCT CODE: 360350
PRODUCT FORMULATION NAME: LACQUER THINNER T
CHEMICAL FAMILY: AROMATIC, KETONE, ALIPHATIC, GLYCOL ETHER
GENERIC NAME: SOLVENT BLEND
ACTIVE INGREDIENT(S): Acetone; Benzene, methyl-; n-Heptane; 2-Butoxyethanol

MANUFACTURER

Americhem Sales Corporation
 340 North Street
 Mason, MI 48854

Emergency Contact: CHEMTREC or CANUTEC

Product Stewardship: 517-676-9363

Transportation: 517-676-9363

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300

CANUTEC (613) 996-6666

COMMENTS: To the best of our knowledge, this Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 4

Skin Sensitization, Category 2

Eye Irritation, Category 2

Aspiration Hazard, Category 1

Physical:

Flammable Liquids, Category 2

GHS LABEL



Flammable
Liquid



Health
hazard



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H315: Causes skin irritation.

H305: May be harmful if swallowed and enters airways.

H372: Causes damage to organs through prolonged or repeated exposure .

H336: May cause drowsiness or dizziness.

Precautionary statement(s)

Prevention:

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

SAFETY DATA SHEET



Date Prepared : 08/11/2003
 MSDS No : 360350
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LACQUER THINNER T

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P331: Do NOT induce vomiting.
 P270: Do not eat, drink or smoke when using this product.
 P262: Do not get in eyes, on skin, or on clothing.

Response:

P312: Call a POISON CENTER or doctor/physician if you feel unwell.
 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+P341: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
 P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.
 P301: IF SWALLOWED: May cause gastrointestinal discomfort. Do NOT induce vomiting. Vomiting may increase risk of aspiration into lungs.

Storage:

P240: Ground/bond container and receiving equipment.
 P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P241: Use explosion-proof electrical/ventilating/lighting/.../ equipment.
 P242: Use only non-sparking tools.
 P271: Use only outdoors or in a well-ventilated area.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P264: Wash hands thoroughly after handling.

Disposal:

P501: Dispose of contents/container in accordance with local regulations.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear, Colorless liquid.

IMMEDIATE CONCERNS: DANGER! Extremely Flammable Liquid & Vapor - vapor may cause flash fire. Harmful if inhaled, High vapor concentrations may cause dizziness. Causes skin and eye irritation. Harmful if swallowed.

POTENTIAL HEALTH EFFECTS

EYES: May cause moderate burning, tearing, redness and swelling.

SKIN: Moderate irritation and discomfort. Defatting of skin and redness are possible. Toxic systemic effects from absorption are expected to be minor.

SKIN ABSORPTION: Refer to skin effects for any adverse symptoms that may occur from absorption.

INGESTION: Gastrointestinal tract irritation. Can be fatal if ingested. (10ml or >)

INHALATION: Dizziness, impaired coordination, headaches and loss of consciousness. Severe respiratory tract irritation. Toxic systemic effects are possible.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: Possible Birth Defect Hazard - Contains material that may cause birth defects, based on animal data.

CARCINOGENICITY: Cancer-Hazard - Contains material which can cause cancer.

MUTAGENICITY: Contains material that may cause heritable genetic effects.

MEDICAL CONDITIONS AGGRAVATED: Individuals with pre-existing respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

ROUTES OF ENTRY: Absorption, Inhalation, Ingestion

TARGET ORGAN STATEMENT: Kidney, Liver, CNS, Lung and Reproductive Toxin

SAFETY DATA SHEET



Date Prepared : 08/11/2003
 MSDS No : 360350
 Date-Revised : 04/03/2015
 Revision No : 5

LACQUER THINNER T

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Acetone	~ 25	67-64-1
Benzene, methyl-	> 50	108-88-3
n-Heptane	~ 15	142-82-5
2-Butoxyethanol	~ 5	111-76-2

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.

SKIN: Wash exposed area with mild soap and water. Get medical attention if irritation develops or persists.

INGESTION: Do not induce vomiting. Danger from aspirating into lungs exceeds short term toxic effects. Get immediate medical help.

INHALATION: Remove victim from area of exposure. If unconscious, give oxygen. Give artificial respiration if not breathing. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Treat as an OSHA Class IB Flammable liquid

GENERAL HAZARD: Flammable Liquid, can release vapors that form flammable mixtures at temperatures at or above the flashpoint. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.

EXTINGUISHING MEDIA: Foam, Dry Chemical, Carbon Dioxide, Water Fog

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and noxious fumes.

EXPLOSION HAZARDS: Vapor accumulations may flash and/or explode if ignited. Keep ignition sources, open flames, ect., away from these fumes.

FIRE FIGHTING PROCEDURES: Proper respiratory equipment to protect against the hazardous effects of combustion products is recommended. Water in a straight hose stream may cause fire to spread and should be used as a cooling medium only.

FIRE FIGHTING EQUIPMENT: Respiratory and eye protection are required for fire fighting personnel. Full protective equipment (Bunker Gear) and self contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of a SCBA may not be required.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide if burned with insufficient air.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Extinguish all ignition sources and ventilate area. Evacuate all non-essential personnel. Blanket spill with alcohol resistant foam to limit evaporation. Dike area to contain spill and clean up by absorbing on inert absorbent or by other means. Liquid may be flammable even when mixed with water unless heavily diluted (>5:1). Do not flush into sewers or natural waterways. Notify appropriate authorities of spill. Contain spill immediately. Do not allow spill to enter sewers or watercourses. Remove all sources of ignition. Provide adequate ventilation during clean-up. Large spills may be picked up using vacuum pumps, shovels, buckets or other means and placed in drums or other suitable containers.

LARGE SPILL: Contain material as described above and call the local fire or police department for immediate emergency assistance.

7. HANDLING AND STORAGE

SAFETY DATA SHEET



Date Prepared : 08/11/2003

MSDS No : 360350

Date-Revised : 04/03/2015

Revision No : 5

LACQUER THINNER T

HANDLING: Use appropriate personal protective equipment as specified in Section 8. Handle in a well ventilated area. When transferring this product, there is potential for the accumulation of static electricity. Consideration should be given to bonding and grounding of equipment during loading, unloading, and transfer of this product.

STORAGE: Store unopened containers under cool, dry and ventilated conditions. Keep away from heat, sparks and flame.

STORAGE TEMPERATURE: SHOULD BE STORED IN A COOL DRY PLACE.

STORAGE PRESSURE: AMBIENT

SHELF LIFE: THE SHELF LIFE OF THIS PRODUCT IS UNDETERMINED, BUT MAY BECOME SUSPECT ONE YEAR FROM THE DATE OF PURCHASE.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SupplierOEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Acetone	TWA	1000 ppm ^[1]	2400 mg/m ³ ^[1]	500 ppm	mg/m ³	NL ppm	NL mg/m ³
	STEL	ppm	mg/m ³	750 ppm	mg/m ³	NL ppm	NL mg/m ³
Benzene, methyl-	TWA	200 ppm	mg/m ³	50 ppm	188 mg/m ³	NL	NL
	STEL	300 ppm	mg/m ³	ppm	mg/m ³	NL	NL
n-Heptane	TWA	500 ppm	2000	400 ppm			
	STEL			500 ppm			
2-Butoxyethanol	TWA	50 ppm ^[2]	240 ^[2]	20 ppm ^[2]	97 ^[2]		

OSHA TABLE COMMENTS:
 1. NL = Not Listed
 2. S = Skin

ENGINEERING CONTROLS: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure guidelines, additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields or goggles when handling this material.

SKIN: To prevent any contact, wear impervious protective clothing such as nitrile or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

RESPIRATORY: Use NIOSH/MSHA approved respirators when vapors or mist concentrations exceed permissible exposure limits.

PROTECTIVE CLOTHING: Chemical resistant boots, apron, etc. as necessary to prevent contamination of clothing and

SAFETY DATA SHEET



Date Prepared : 08/11/2003
 MSDS No : 360350
 Date-Revised : 04/03/2015
 Revision No : 5

LACQUER THINNER T

skin contact.

WORK HYGIENIC PRACTICES: Good personal hygiene practices should always be followed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)	Solubility in Water	Specific Gravity
Acetone	-18	complete	0.792
Benzene, methyl-	7.2 TCC		0.872
n-Heptane	-7		0.698
2-Butoxyethanol			0.901

PHYSICAL STATE: Liquid

ODOR: Characteristic Odor

APPEARANCE: Clear

COLOR: Colorless

pH: Not Applicable

PERCENT VOLATILE: 100

FLASHPOINT AND METHOD: ~

VAPOR PRESSURE: > 10 mmHg at 20°C

VAPOR DENSITY: > 1 (Air=1)

BOILING POINT: ~ (133°F)

SOLUBILITY IN WATER: Partially Soluble

EVAPORATION RATE: Not Applicable

DENSITY: ~ 6.90 at (68°F)

SPECIFIC GRAVITY: 0.829 (water=1) at (68°F)

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: Will not occur

STABILITY: Stable

CONDITIONS TO AVOID: Exposure to excessive heat, open flames and sparks. Avoid conditions that favor the formation of excessive mists and/or fumes.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon when burned.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE

SAFETY DATA SHEET



Date Prepared : 08/11/2003

MSDS No : 360350

Date-Revised : 04/03/2015

Revision No : 5

LACQUER THINNER T

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Acetone	9750 mg/kg (RAT)	20000 mg/kg(RABBIT)	
Benzene, methyl-	5000 mg/kg (RAT)	14000 mg/kg(RABBIT)	5300 ppm (mouse)
2-Butoxyethanol	470 mg/kg (RAT)	220 mg/kg(RABBIT)	450 mg/l (rat) 4 hours

EYE EFFECTS: May cause moderate burning, tearing, redness and swelling.

SKIN EFFECTS: Moderate irritation and discomfort.

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Benzene, methyl-	LISTED	3	Yes
2-Butoxyethanol		3	

IARC: Not listed by IARC

NTP: Not listed by NTP.

OSHA: Not listed by OSHA

SENSITIZATION: Based on best current information, there is no known human sensitization associated with these products.

REPRODUCTIVE EFFECTS: Based on best current information, there is no known reproductive toxicity associated with this product.

MUTAGENICITY: Experimental evidence suggests that these products do not cause mutagenesis.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: KEEP OUT OF SURFACE WATERS, SEWERS, AND WATERWAYS ENTERING OR LEADING TO SURFACE WATERS. NOTIFY AUTHORITIES IF ANY EXPOSURE TO THE GENERAL PUBLIC OR ENVIRONMENT OCCURS OR IS LIKELY TO OCCUR.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Conditions of use may cause this material to become a hazardous waste as defined by state or federal law. Use approved treatment, transporters and disposal sites.

EMPTY CONTAINER: Keep containers closed when not in use. Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN 1263

PACKING GROUP: II

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

SAFETY DATA SHEET



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 Revision No : 5

LACQUER THINNER T

311/312 HAZARD CATEGORIES: Fire Hazard, Acute (Immediate) Health Hazard.

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: Toluene (108-88-3), Xylene (1330-20-7), Methanol (67-56-1), Methyl Ethyl Ketone (78-93-3)

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt. %	CAS
Benzene, methyl-	> 50	108-88-3

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	CERCLA RQ
Acetone	~ 25	5,000 lbs.
Benzene, methyl-	> 50	1,000 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Acetone	67-64-1
Benzene, methyl-	108-88-3
n-Heptane	142-82-5
2-Butoxyethanol	111-76-2

TSCA REGULATORY: This material or its components are listed in the TSCA inventory.

CALIFORNIA PROPOSITION 65

Chemical Name	Wt. %	Listed
Benzene, methyl-	> 50	<ul style="list-style-type: none"> • Cancer • Female Reproductive

16. OTHER INFORMATION

REASON FOR ISSUE: New MSDS

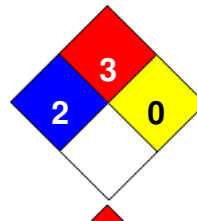
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REVISION SUMMARY: This MSDS replaces the 12/13/2007 MSDS. Revised: **Section 2: CARCINOGENICITY, MUTAGENICITY, REPRODUCTIVE EFFECTS.**

HMIS RATING

HEALTH	-	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION	X	

NFPA CODES



MANUFACTURER DISCLAIMER: The information in this MSDS was obtained from sources which we believe are reliable. However, the above information is provided without warranty, expressed or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or

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LACQUER THINNER T

expense arising out of or in any way connected with the handling, storage, use or disposal of the product.