

# SAFETY DATA SHEET



Colonial Chemical Solutions, Inc.

## SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

### PRODUCT

**Product Name:** LACQUER THINNER #1  
**Control Number:**  
**Product Description:** Solvent

### COMPANY IDENTIFICATION

**Supplier:** COLONIAL CHEMICAL SOLUTIONS, INC.  
916 West Lathrop Avenue  
Savannah, Georgia 31415

**24 Hour Emergency Telephone:** (800)-424-9300 CHEMTREC  
**General Information:** (912) 236-1331

## SECTION 2- HAZARDS IDENTIFICATION

### GHS Classification:

#### [ Health ]

Acute toxicity, Oral (Category 4)  
Skin irritation (Category 3)  
Eye irritation (Category 2B)  
Reproductive toxicity (Category 2)  
Aspiration hazard (Category 1)

#### [ Environmental ]

Acute aquatic toxicity (Category 3)

#### [ Physical ]

Flammable Liquid (Category 2)

### GHS Label elements, including precautionary statements

#### Pictograms



**Signal Word:** Danger

#### Hazard Phrases

H225 Highly flammable liquid and vapor.  
H302: Harmful if swallowed.  
H315+320 Causes Skin and Eye irritation  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.

#### Precautionary Phrases:

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/ equipment.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.  
P262 Do not get in eyes, on skin, or on clothing  
P288 Use protective clothing as required.  
P301+330+331: IF SWALLOWED: Rinse mouth. Do Not induce vomiting.  
P403 + P235 Store in a well-ventilated place. Keep cool.

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## SECTION 3 · COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Concentration
Toluene	108-88-3	42-43
Methanol	67-56-1	29-30
Acetone	67-64-1	19-20
Heptane	142-82-5	08-09

## SECTION 4 · FIRST AID MEASURES

### FIRST AID PROCEDURES:

#### Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

#### Skin Contact:

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

#### Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

#### Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

## SECTION 5 · FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

**Fire Fighting Procedures:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Hazardous combustion products:** Oxides of carbon. When heated to decomposition it emits acrid smoke and fumes.

**Unusual Fire and Explosion Hazards:** Containers can build up pressure if exposed to heat and/or fire. Containers may explode in the heat of a fire. Vapors may form an explosive mixture with air. Use water spray to keep fire-exposed containers cool.

## SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

**Spills:** Evacuate all non-essential personnel from the spill area. Eliminate all ignition sources. Suitable protective clothing should be worn. Shut off or plug source of spill.

Dike spill area to contain liquid. Salvage as much re-useable liquid as possible into a suitable container. Residual material: absorb on inert media and collect into suitable container. Avoid contaminating ground and surface water.

## SECTION 7 · STORAGE AND HANDLING

**Precautions To Be Taken:** Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Store in a cool, dry, ventilated area, away from incompatible substances. Store only in approved properly labeled containers. Do not store near extreme heat, open flame, or sources of ignition. Keep container closed and tightly sealed when not in use.

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## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering Controls:** Use explosion-proof ventilation equipment. Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. The level of protection and types of controls will vary depending upon potential exposure conditions.

<b>Exposure Limits:</b>	Toluene	50 ppm ACGIH; 100 ppm OSHA
	Acetone	500 ppm ACGIH; 1000 ppm OSHA
	Heptane	400 ppm ACGIH; 500 ppm OSHA
	Methanol	200 ppm ACGIH; 200 ppm OSHA

### Personal Protective Equipment (PPE):

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

**Skin:** If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

**Clothing:** Selection of protective clothing depends on work conditions.

**Respirators:** Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

**Other Equipment:** Adequate explosion proof ventilation to control airborne concentrations below the exposure limits. Eye wash station and drenching shower in close proximity to use are advised.

## SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Odor:</b>	Colorless liquid with pungent Odor
<b>pH:</b>	Not Applicable.
<b>Melting/ Freezing Point:</b>	Not Available
<b>Boiling Point:</b>	188 °F
<b>Flash Point:</b>	36 °F
<b>Evaporation Rate (BuAc=1):</b>	1.8
<b>Flammability Limits:</b>	Lower: 1 Upper: 13
<b>Vapor Pressure:</b>	87 mmHg
<b>Vapor Density (Air-1):</b>	2.5
<b>Specific Gravity:</b>	0.83
<b>Solubility in Water:</b>	Miscible
<b>Autoignition Temperature:</b>	No Data
<b>Decomposition Temperature:</b>	No Data

## SECTION 10 - STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal use and temperature conditions.

**Conditions to Avoid:** Keep away from heat, flame and other potential ignition sources.

**Materials to Avoid:** Strong acids, and oxidizers.

**Decomposition Products:** When combusted, oxides of carbon and various hydrocarbons.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

### Signs and Symptoms of Overexposure:

**Skin:** Contact can cause redness, irritation and drying. Severity depends on the amount and duration of exposure.

**Eyes:** Vapors may be irritating to the eyes. Liquid contact will cause stinging and tearing.

**Inhalation:** Excessive inhalation of high concentrations may be harmful. Mist or vapor can irritate the throat and lungs. Breathing this material may cause central nervous system depression.

**Ingestion:** If swallowed this material may irritate the mucous membranes of the mouth throat and esophagus. Aspiration of this material into the lungs may result in damage or death.

### Acute oral toxicity:

Toluene: LD50 rat: 2600-7500 mg/kg

Acetone: LD50 rat: 5,800 mg/kg

Heptane: LD50 rat: 5 g/kg

Methanol: LD50 rat: 5,628 mg/kg

### Acute inhalation toxicity:

Toluene: LC50 rat: 8000 mg/kg

Acetone: LC50 rat: 20 mg/l

Heptane: LC50 rat: 60 mg/l

Methanol: LC50 Rat: 64,000 ppm

### Acute dermal toxicity:

Toluene: No Published Data

Acetone: LD50 Rabbit: 20,000 mg/kg

Heptane: LD50 Rabbit: 2g/kg

Methanol: LD50 Rabbit: 15,800 mg/kg

## SECTION 12 - ECOLOGICAL INFORMATION

**Aquatic Toxicity:** This product is unlikely to pose a hazard to aquatic life.

**Bio-accumulative potential:** Bioaccumulation of this product is unlikely. This product is readily biodegradable.

**Mobility:** This product is moderately mobile in soil and likely to volatilize from soil surface.

## SECTION 13 - DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

## SECTION 14 - TRANSPORTATION

### U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

**Proper Shipping Name:** Flammable Liquid, n.o.s. (contains Toluene, Acetone)

**Hazard Class:** 3

**UN Number:** 1993

**Packaging Group:** II

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## SECTION 15 · REGULATORY INFORMATION

### US FEDERAL REGULATIONS

#### **Comprehensive Environmental Response and Liability Act (CERCLA)**

The reportable quantity (RQ) for this material estimated at 2000 pounds. If appropriate, immediately report to the National Response Center (800/424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies.

**Toxic Substance Control Act (TSCA):** All components of this product are listed on the TSCA inventory list.

#### **SARA Section 311/312 (40 CFR 370) Hazard Categories:**

Immediate Hazard.

Delayed Hazard.

Fire Hazard.

**SARA Section 313 (40 CFR 372) Hazard Categories:** This product contains the following toxic chemical(s) subject to reporting requirements: Toluene, Acetone and Methanol

**Clean Water Act:** This product contains Toluene, Acetone and Methanol chemicals that are listed under the CWA.

**Clean Air Act:** This product contains Acetone, Heptane, Methanol and Toluene, chemicals that are listed under the CAA.

**California Prop 65:** This product contains Toluene and Methanol chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

## SECTION 16 · OTHER INFORMATION

**MSDS Revision Date:** June 2014

**National Fire Protection Association (NFPA) Ratings:** This information is intended solely for the use of individuals trained in the NFPA system.

**Health: 2**

**Flammability: 3**

**Reactivity: 0**

The information above is believed to be accurate and represents the best information currently available to us. However, Colonial Chemical Solutions makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Colonial be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Colonial has been advised of the possibility of such damages. The vendor assumes no responsibility for injury or damages resulting from the inappropriate alteration or manipulation of this MSDS and its contents from that originally submitted by Colonial.