

# SAFETY DATA SHEET

## AA-416 Lacquer Thinner

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

**MANUFACTURER:** Griffin Bros., Inc.  
P.O. Box 7719  
Salem, OR 97303  
(800) 456-4743

**INFORMATION:**

**EMERGENCY PHONE:** **CHEMTREC:** (800) 424-9300

**PRODUCT NAME:** Lacquer Thinner  
**PRODUCT NUMBER:** - -  
**DATE PREPARED:** 04/03/2009  
**LAST REVISION:** 11/12/2018

**USES:** **Lacquer Thinner** is a mixture of solvents able to dissolve a number of different resins or plastics used in modern lacquer.

Use Restrictions: No data available

### 2. HAZARDOUS IDENTIFICATION:

**GHS CLASSIFICATION:** Flammable liquids (Category 2) Serious Eye Damage/Eye Irritation (2) Skin irritation (Category 2) Aspiration hazard (Category 1)

Specific target organ toxicity - single exposure (Category 3) Acute aquatic toxicity (Category 1) Chronic aquatic toxicity (Category 4)

**GHS Label elements, including precautionary statements:**

**SIGNAL WORD:** Danger!

**PICTOGRAM(s)**



**Hazard statement(s)**

H225: Highly flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H312: Harmful in contact with skin.  
H318: Causes serious eye damage.  
H332: Harmful if Inhaled.  
H336: May cause drowsiness or dizziness.  
H360: May damage fertility or the unborn child.  
H400: Very toxic to aquatic life.  
H413: May cause long lasting harmful effects to aquatic life.

**Precautionary statement(s)**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P262 Do not get in eyes, on skin, or on clothing.  
P273 Avoid release to the environment.  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

### POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** May cause irritation or damage to the eyes.

**INHALATION:** Irritating to the nose, throat, and respiratory tract.

**INGESTION:** Nausea, vomiting, or diarrhea may result from ingestion.

**SKIN CONTACT:** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**SIGNS AND SYMPTOMS OF EXPOSURE:** Irritation, pain, coughing, redness of skin.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical Name	CAS #	Weight Range %
METHYL ISOBUTYL KETONE	108-10-1	10 – 20%
METHYL ETHYL KETONE	78-93-3	10 – 20%
TOLUENE	108-88-3	60 – 80%

### 4. FIRST AID MEASURES

**EYE CONTACT:** Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation persists.

**INHALATION:** After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel

**INGESTION:** Induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY. Rest. If no medical personnel are available & patient is conscious, ingestion of an alcoholic beverage may prevent blindness, death. Do NOT induce vomiting to an unconscious or convulsing person.

**SKIN CONTACT:** Wash with soap and water. Change contaminated clothing. Get medical attention if irritation develops or persists.

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing skin or respiratory conditions.

## 5. FIRE FIGHTING MEASURES:

### FLAMMABLE PROPERTIES

**FLASH POINT:** 80 deg F

**FLASH POINT METHOD USED:** TCC

**AUTOIGNITION:** 555 deg F

**LEL:** 2.3

**UEL:** No data available

### EXTINGUISHING MEDIA:

Dry chemical, foam or carbon dioxide.

### SPECIAL FIRE FIGHTING PROCEDURES:

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

Extinguish all nearby sources of ignition. Vapors are heavier than air and may travel to distant ignition sources and flash back. Avoid accumulation on water because this product will float on water and possibly ignite.

### COMBUSTION PRODUCTS:

Toxic vapors and gasses can be released if involved in a fire.

## 6. ACCIDENTAL RELEASE MEASURES:

### Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### Methods and materials for containment and cleaning up

Stop spill at source. Dike and contain. Collect leaking liquid in sealable containers. Absorb remaining liquid in sand or inert absorbent. Remove to safe place. Do NOT wash away into sewer. Do NOT let this chemical enter the environment.

## 7. HANDLING AND STORAGE:

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

**HANDLING:** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

**STORAGE:** Keep in fireproof surroundings. Keep separated from strong oxidants, strong acids, food & feedstuffs. Keep cool. Do not store above 49 C/120 F. Keep container tightly closed & upright when not in use to prevent leakage. Do not allow to evaporate to near dryness. Addition of water or proper reducing agents will lessen peroxide formation.

**OTHER PRECAUTIONS:** Protect from freezing. Follow all SDS/label precautions even after container is emptied because it may retain product residues. For industrial use only. Keep away from children. Keep containers closed while not in use.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION:

**RESPIRATORY EXPOSURE CONTROLS:** A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Methyl Ethyl Ketone	200ppm	300ppm	200ppm	300ppm
Toluene	200ppm	n/a	50ppm A4	n/a

## PERSONAL PROTECTIVE EQUIPMENT

**RESPIRATORY PROTECTION:** Wear a NIOSH/MSHA approved respirator appropriate for vapor concentration at point of use.

**PROTECTIVE GLOVES:** Rubber or other impervious material with gauntlets.

**VENTILATION:** Local exhaust sufficient to keep exposure below TLV.

**WORK / HYGENIC PRACTICES:** Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet.

**ENGINEERING CONTROLS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**EYE PROTECTION:** Wear safety glasses. If splashing is probable, wear full face shield. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.

**OTHER PROTECTIVE EQUIP:** Boots, apron, lab coat or coveralls of impervious material, safety shower, eyewash.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**PHYSICAL STATE:** Liquid  
**APPEARANCE AND ODOR:** Clear, colorless liquid Ketone odor.  
**SOLUBILITY IN WATER:** Moderate  
**BOILING RANGE:** 134 184 342 F **PH:** N/A  
**VAPOR PRESSURE (mm Hg):** 69.4 **VAPOR DENSITY (Air=1):** 2.4  
**SPECIFIC GRAVITY:** 0.809 **POUNDS PER GALLON:** 6.736  
**MELTING POINT:** No data available  
**VOC'S (>0.44 Lbs/Sq In) :** 90.0 Vol. % / 727.9 g/L / 6.063 Lbs/Gal  
**TOTAL VOC'S (TVOC) :** 100.0 Vol. % / 808.8 g/L / 6.736 Lbs/Gal  
**NONEXEMPT VOC'S (CVOC) :** 91.8 Vol. % / 744.1 g/L / 6.198 Lbs/Gal  
**HAZARDOUS AIR POLLUTANTS (HAPS) :** 34.4 Wt. % / 278.2 g/L / 2.317 Lbs/Gal  
**VAPOR PRESSURE (mm of Hg @ 20 C):** 69.4  
**NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C):** 51.3  
**OTHER PROPERTIES:** no other data available

## 10. STABILITY AND REACTIVITY:

**STABLE:** Stable under normal conditions.  
**INCOMPATIBILITY:** The substance can presumably form explosive peroxides under the influence of light and air. Check for peroxide prior to distillation, eliminate if found. Reacts violently with strong oxidants, strong reducing agents, strong acids, causing fire & explosion hazard. Attacks many plastics, rubber, coatings.  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Carbon Monoxide, Carbon Dioxide from burning.  
**HAZARDOUS POLYMERIZATION:** Will Not Occur  
**CONDITIONS TO AVOID:** Isolate from oxidizers, heat, sparks, electric equipment & open flame.

## 11. TOXICOLOGICAL INFORMATION:

**Routes of Entry:** Absorbed through skin. Inhalation.  
**Chronic Effects on Humans:**  
May cause damage to the following organs: lungs, peripheral nervous system, upper respiratory tract, skin, central nervous system (CNS).  
**Other Toxic Effects on Humans:** Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

## 12. ECOLOGICAL INFORMATION:

Toxic to Aquatic Life.  
**AQUATIC ANIMAL INFORMATION:**  
The most sensitive known aquatic group to any component of this product is:  
Goldfish 250 ppm or mg/L (24 hour exposure).  
Keep out of sewers and natural water supplies.  
The substance is toxic to aquatic organisms.  
**MOBILITY:** This material is a mobile liquid.  
**DEGRADABILITY:** This product is partially biodegradable.  
**ACCUMULATION:** This product is not known to accumulate or bio-magnify in the environment.

**13. DISPOSAL CONSIDERATIONS:** Processing, use or contamination may change the waste management options.  
Recycle/dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If in doubt, contact appropriate agencies.

## 14. TRANSPORT INFORMATION:

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
US DOT	1993	Flammable Liquid n.o.s. (Toluene, Methyl Ethyle Ketone, MIBK)	3	II

## 15. REGULATORY INFORMATION:

**EPA REGULATION:** All ingredients are listed on TSCA inventory.  
California: This product contains Proposition 65 substances (toluene).

**16. OTHER INFORMATION:**

<b>HMIS INFORMATION:</b>	<b>HEALTH:</b>	<b>1</b>	<b>FLAMMABILITY:</b>	<b>3</b>	<b>PHYSICAL HAZARD:</b>	<b>0</b>	<b>PROTECTIVE:</b>	<b>X</b>
<b>NFPA INFORMATION:</b>	<b>TOXICITY:</b>	<b>1</b>	<b>FIRE:</b>	<b>3</b>	<b>REACTIVITY:</b>	<b>0</b>	<b>SPECIAL:</b>	<b>N</b>

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