



Material Safety Data Sheet

Material Name: PREMIUM LACQUER THINNER

ID: 82688

*** Section 1 - Chemical Product and Company Identification ***

Product Code: 6770

Product Use: Lacquer thinner. If these products are used in combination with other products, refer to the Material Safety Data Sheet for those products.

Synonyms: Not available

Safety-Kleen Systems, Inc.
2600 North Central Expressway
Suite 400
Richardson, TX 75080

Phone: 1-800-669-5740

Emergency # 1-800-468-1760
www.safety-kleen.com

Issue Date

January 9, 2014

Supersedes Issue Date

January 6, 2011

Original Issue Date

December 4, 2008

PREPARED BY: Product MSDS Coordinator

APPROVED BY: MSDS Task Force

*** Section 2 - Hazardous Identification ***

EMERGENCY OVERVIEW

Appearance

Clear, colorless liquid, solvent odor.

Signal Word

DANGER!

Physical Hazards

Extremely flammable liquid and vapor. Vapor may cause flash fire.

Health Hazards

May be harmful if inhaled or swallowed.

May be harmful if absorbed through skin.

Swallowing methanol may cause blindness and death.

May irritate the respiratory tract (nose, throat, and lungs), and skin.

Contains material which can cause eye, liver, kidney and central nervous system damage.

POTENTIAL HEALTH EFFECTS

Inhalation (Breathing)

High concentrations of vapor or mist may be harmful if inhaled. High concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs). High concentrations of vapor or mist may cause nausea, vomiting, headaches, dizziness, loss of coordination, numbness, and other central nervous system effects. Massive acute overexposure may cause rapid central nervous system depression, sudden collapse, coma, and/or death.

Eyes

May cause irritation. High concentrations of vapor or mist may cause blurred vision or other eye damage

Skin

May cause irritation, drying, cracking, redness, itching, and/or swelling (dermatitis). Toluene and methanol may be absorbed through the skin and cause harm as noted under **INHALATION (BREATHING)**.

Material Safety Data Sheet

Material Name: PREMIUM LACQUER THINNER

ID: 82688

Ingestion (Swallowing)

This product may be harmful or fatal if swallowed. Swallowing methanol may cause blindness. May cause throat irritation, nausea, vomiting, and central nervous system effects as noted under **INHALATION (BREATHING)**. Aspiration hazard: breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death.

Medical Conditions Aggravated by Exposure

Individuals with pre-existing cardiovascular, liver, kidney, respiratory tract (nose, throat, and lungs), central nervous system, eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

Chronic

Prolonged or repeated inhalation may cause toxic effects as noted under **INHALATION (BREATHING)**. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis). Prolonged or repeated inhalation or ingestion may cause toxic eye, liver, kidney, or central nervous system damage. Prolonged or repeated inhalation or ingestion exposure may have reproductive toxicity, mutagenicity, and/or teratogenicity effects.

Cancer Information

No known carcinogenicity. For more information, see **SECTION 11: CARCINOGENICITY**.

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component	Percent
108-88-3	Toluene	41-86*
67-64-1	Acetone	1-33*
67-56-1	Methyl alcohol	2-47*

*Even though the concentration range does not fall under the ranges prescribed by WHMIS, this is the actual range which varies with each batch of the product.

*** Section 4 - First Aid Measures ***

Inhalation (Breathing)

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel. Someone should stay with victim. Get medical attention if breathing difficulty persists.

Eyes

If irritation or redness from exposure to vapor develops, move away from exposure into fresh air. Upon contact, immediately flush eyes with plenty of lukewarm water, holding eyelids apart, for 15 minutes. Get medical attention.

Skin

Remove affected clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain develops or persists. Wash contaminated clothing before reuse. Discard any shoes or clothing items that cannot be decontaminated.

Ingestion (Swallowing)

Do NOT induce vomiting. Immediately get medical attention. Call 1-800-468-1760 for additional information. If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs. Never give anything by mouth to an unconscious person.

Material Safety Data Sheet

Material Name: PREMIUM LACQUER THINNER

ID: 82688

Notes to Physicians

Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident. Call 1-800-468-1760 for additional information.

*** Section 5 - Fire Fighting Measures ***

Hazardous Combustion Products

Decomposition and combustion materials may be toxic. Burning may produce oxides of carbon and unidentified organic compounds.

Conditions of Flammability

Heat, sparks, or flame.

Extinguishing Media

Carbon dioxide, regular foam, dry chemical, water spray, or water fog.

Protective Equipment For Firefighting

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

Fire Fighting Equipment/Instructions

Keep storage containers cool with water spray.

NFPA Ratings: Health: 2 Fire: 3 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Fire and Explosion Hazards

Vapor explosion hazard indoors, outdoors, or in sewers. Vapor may travel to ignition source and flashback. Vapors will spread along the ground and collect in low or confined areas. Run-off to sewer may create a fire or explosion hazard. Heated containers may rupture, explode, or be thrown into the air. "Empty" containers may retain residue and can be dangerous. Product is not sensitive to mechanical impact. Product may be sensitive to static discharge, which could result in fire or explosion.

*** Section 6 - Accidental Release Measures ***

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, sparkproof tool into a sealable container for disposal. Additionally, for large spills: Water spray may reduce vapor, but may not prevent ignition in closed spaces. Dike far ahead of liquid spill for collection and later disposal. There may be specific federal regulatory reporting requirements associated with spills, leaks, or releases of this product. Also see **SECTION 15: REGULATORY INFORMATION**.

*** Section 7 - Handling and Storage ***

Handling Procedures

Keep away from heat, sparks, or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean, sparkproof tools and explosion-proof equipment. When transferring product, metal containers, including trucks and tank cars, should be grounded and bonded. Do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes. Do not smoke while using this product.

Material Safety Data Sheet

Material Name: PREMIUM LACQUER THINNER

ID: 82688

Shipping and Storing

Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from heat, flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain product residue and can be dangerous. See **SECTION 14: TRANSPORTATION INFORMATION** for Packing Group information.

* * * Section 8 - Exposure Controls / Personal Protection * * *

Exposure Guidelines

Component Exposure Limits

Toluene (108-88-3)

ACGIH: 20 ppm TWA
OSHA Final: 200 ppm TWA
300 ppm Ceiling
OSHA Vacated: 100 ppm TWA; 375 mg/m³ TWA
150 ppm STEL; 560 mg/m³ STEL
NIOSH: 100 ppm TWA; 375 mg/m³ TWA
150 ppm STEL; 560 mg/m³ STEL

Acetone (67-64-1)

ACGIH: 500 ppm TWA
750 ppm STEL
OSHA Final: 1000 ppm TWA; 2400 mg/m³ TWA
OSHA Vacated: 750 ppm TWA; 1800 mg/m³ TWA
2400 mg/m³ STEL (The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors); 1000 ppm STEL
NIOSH: 250 ppm TWA; 590 mg/m³ TWA

Methyl alcohol (67-56-1)

ACGIH: 200 ppm TWA
250 ppm STEL
Skin - potential significant contribution to overall exposure by the cutaneous route
OSHA Final: 200 ppm TWA; 260 mg/m³ TWA
OSHA Vacated: 200 ppm TWA; 260 mg/m³ TWA
250 ppm STEL; 325 mg/m³ STEL
Prevent or reduce skin absorption
NIOSH: 200 ppm TWA; 260 mg/m³ TWA
250 ppm STEL; 325 mg/m³ STEL
Potential for dermal absorption

Engineering Controls

Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits. Where explosive mixtures may be present, equipment safe for such locations should be used.

Personal Protective Equipment: Respiratory

Use NIOSH-certified, air-supplied respirators (self-contained breathing apparatus or air-line) respiratory protective equipment when concentration of vapor or mist exceeds applicable exposure limits. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance.

Personal Protective Equipment: Eyes/Face

Where eye contact is likely, wear chemical goggles; contact lens use is not recommended.

Material Safety Data Sheet

Material Name: PREMIUM LACQUER THINNER

ID: 82688

Personal Protective Equipment: Skin

Wear chemical resistant (impervious) gloves.

To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, whole body suits, or other protective clothing.

Personal Protective Equipment: Personal Hygiene

Use good personal hygiene. Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.

Discard affected clothing, shoes, and/or protective equipment if they cannot be thoroughly cleaned. Discard leather articles, such as shoes, saturated with this product.

Other Personal Protective Equipment

Where spills and splashes are likely, facilities storing or using this product should be equipped with an emergency eyewash and shower, both equipped with clean water, in the immediate work area.

* * * Section 9 - Physical & Chemical Properties * * *

Appearance/Odor : Liquid, clear and colorless.
Solvent odor

Boiling Point: 133 to 232°F (56 to 111°C)

Solubility (H2O): Not available

Density: 7.1 LB/US gal (847 g/l)

Evaporation Rate: 6 (butyl acetate = 1)
(maximum)

Odor Threshold: 10 ppm (minimum)

LFL: 1.2 VOL%

UFL: 36.0 VOL%

Vapor Density: 3.14 (air = 1)

Freezing Point: -137°F (-94°C) (maximum)

pH: Not applicable

Melting Point: -137°F (-94°C) (maximum)

Specific Gravity: 0.847 (water = 1)

Octanol/H2O Coeff.: Log Pow = 2.7

Molecular Weight: 92.1 (toluene), 58.1 (acetone),
32.0 (methanol)

Auto Ignition Temperature: 725°F (385°C) (minimum)

Flash Point: -4°F (20°C)

Vapor Pressure: 68 mm Hg at 68°F (20°C)
(approximately) VOC vapor
pressure < 45 mm Hg at 68°F
(20°C)

Flammability Class: Flammable

* * * Section 10 - Chemical Stability & Reactivity Information * * *

Stability

Stable under normal temperatures and pressures.

Incompatibility

Avoid acids, alkalies, oxidizing agents, reactive halogens, or reactive metals.

Reactivity

Polymerization is not known to occur under normal temperature and pressures. Not reactive with water.

Hazardous Decomposition Products

None under normal temperatures and pressures. See also **SECTION 5: HAZARDOUS COMBUSTION PRODUCTS**.

Conditions To Avoid

Avoid heat, sparks, or flame.

Material Safety Data Sheet

Material Name: PREMIUM LACQUER THINNER

ID: 82688

*** Section 11 - Toxicological Information ***

Toxicity Data

Component Analysis - LD50/LC50

Toluene (108-88-3)

Dermal LD50 Rabbit 8390 mg/kg; Inhalation LC50 Rat 12.5 mg/L 4 h; Oral LD50 Rat 636 mg/kg

Acetone (67-64-1)

Inhalation LC50 Rat 50100 mg/m³ 8 h

Methyl alcohol (67-56-1)

Inhalation LC50 Rat 83.2 mg/L 4 h; Oral LD50 Rat 5628 mg/kg

Acute Effects

High concentrations of vapor or mist may be harmful if inhaled., High concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs), cause nausea, vomiting, headaches, dizziness, loss of coordination, numbness, and other central nervous system effects., Massive acute overexposure may cause rapid central nervous system depression, sudden collapse, coma, and/or death., May cause eye irritation., High concentrations of vapor or mist may cause blurred vision or other eye damage., May cause skin irritation, drying, cracking, redness, itching, and/or swelling (dermatitis). Toluene and methanol may be absorbed through the skin and cause harm as noted for inhalation., May be harmful or fatal if swallowed. Swallowing methanol may cause blindness., May cause throat irritation, nausea, vomiting, and central nervous system effects as noted under inhalation., Aspiration hazard: breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death.

Repeated Dose Effects

Prolonged or repeated inhalation may cause toxic effects., Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis)., Prolonged or repeated inhalation or ingestion may cause toxic eye, liver, kidney, or central nervous system damage., Prolonged or repeated inhalation or ingestion exposure may have reproductive toxicity, mutagenicity, and/or teratogenicity effects.

Methanol has demonstrated human effects of mutagenicity., Acetone has demonstrated experimental effects of mutagenicity.

Toluene has demonstrated human effects of teratogenicity.

Toluene and methanol have demonstrated animal effects of reproductive toxicity.

Based on best current information, there is no known human sensitization associated with this product.

Component Carcinogenicity

Toluene (108-88-3)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 71 [1999]; Monograph 47 [1989] (Group 3 (not classifiable))

Acetone (67-64-1)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

Target Organ Effects

Contains material which can cause eye, liver, kidney, reproductive and central nervous system damage.

Sensitization

Based on best current information, there is no known human sensitization associated with this product.

Mutagenicity

Methanol has demonstrated human effects of mutagenicity.

Acetone has demonstrated experimental effects of mutagenicity.

Based on best current information, the other components listed in **SECTION 3** are not mutagens.

Material Safety Data Sheet

Material Name: PREMIUM LACQUER THINNER

ID: 82688

Reproductive Toxicity

Toluene and methanol have demonstrated animal effects of reproductive toxicity.
Based on best current information, the other components listed in **SECTION 3** are not a teratogens.

Teratogenicity

Toluene has demonstrated human effects of teratogenicity.
Based on best current information, the other components listed in **SECTION 3** are not teratogens.

Toxicologically Synergistic Products

Based on best current information, there are no known toxicologically synergistic products associated with this product.

* * * Section 12 - Ecological Information * * *

Ecotoxicity

May be harmful to fish.

Component Analysis - Ecotoxicity - Aquatic Toxicity

Toluene (108-88-3)

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	15.22 - 19.05 mg/L [flow-through]	1 day old
96 Hr LC50 Pimephales promelas	12.6 mg/L [static]	
96 Hr LC50 Oncorhynchus mykiss	5.89 - 7.81 mg/L [flow-through]	
96 Hr LC50 Oncorhynchus mykiss	14.1 - 17.16 mg/L [static]	
96 Hr LC50 Oncorhynchus mykiss	5.8 mg/L [semi-static]	
96 Hr LC50 Lepomis macrochirus	11.0 - 15.0 mg/L [static]	
96 Hr LC50 Oryzias latipes	54 mg/L [static]	
96 Hr LC50 Poecilia reticulata	28.2 mg/L [semi-static]	
96 Hr LC50 Poecilia reticulata	50.87 - 70.34 mg/L [static]	
96 Hr EC50 Pseudokirchneriella subcapitata	>433 mg/L	
72 Hr EC50 Pseudokirchneriella subcapitata	12.5 mg/L [static]	
48 Hr EC50 Daphnia magna	5.46 - 9.83 mg/L [Static]	
48 Hr EC50 Daphnia magna	11.5 mg/L	

Acetone (67-64-1)

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Oncorhynchus mykiss	4.74 - 6.33 mL/L	
96 Hr LC50 Pimephales promelas	6210 - 8120 mg/L [static]	
96 Hr LC50 Lepomis macrochirus	8300 mg/L	
48 Hr EC50 Daphnia magna	10294 - 17704 mg/L [Static]	
48 Hr EC50 Daphnia magna	12600 - 12700 mg/L	

Methyl alcohol (67-56-1)

Duration/Test/Species	Concentration/Conditions	Notes
96 Hr LC50 Pimephales promelas	28200 mg/L [flow-through]	
96 Hr LC50 Pimephales promelas	>100 mg/L [static]	
96 Hr LC50 Oncorhynchus mykiss	19500 - 20700 mg/L [flow-through]	
96 Hr LC50 Oncorhynchus mykiss	18 - 20 mL/L [static]	
96 Hr LC50 Lepomis macrochirus	13500 - 17600 mg/L [flow-through]	

Persistence/Degradability

No information available for the product.

Bioaccumulation/Accumulation

No information available for the product.

Material Safety Data Sheet

Material Name: PREMIUM LACQUER THINNER

ID: 82688

Mobility in Environmental Media

No information available for the product.

Other Adverse Effects

No information available for the product.

*** Section 13 - Disposal Considerations ***

Disposal Instructions

Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal.

*** Section 14 - Transportation Information ***

Emergency Response Guide Number

127

Reference *.North American Emergency Response Guidebook*

DOT Shipping Name: Paint related material

UN/NA #: UN1263 **Hazard Class:** 3 **Packing Group:** II

TDG Shipping Name: Paint Related Material

UN/NA #: UN1263 **Hazard Class:** 3 **Packing Group:** II

IATA Information

No Classification Assigned.

IMDG Information

No Classification Assigned.

*** Section 15 - Regulatory Information ***

Volatile Organic Compounds (As Regulated)

77-99 WT%; 5.5-7.0 LB/US gal; 652-839 g/L; As per 40 CFR Part 51.100(s)

Contains photochemically reactive solvent.

SARA Sections 311/312

This product poses the following health hazards as defined in 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA):

Immediate (Acute) Health Hazard

Delayed (Chronic) Health Hazard

Fire Hazard

SARA 302/304

Component Analysis

This product does not contain any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

SARA Section 313

Component Analysis

This product contains a "toxic" chemical subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

Toluene (108-88-3) 1.0 % de minimis concentration

Methyl alcohol (67-56-1) 1.0 % de minimis concentration

Material Safety Data Sheet

Material Name: PREMIUM LACQUER THINNER

ID: 82688

CERCLA

Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product contains the following "hazardous substance" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4 with the following reportable quantities (RQ):

Toluene (108-88-3)	1000 lb final RQ; 454 kg final RQ
Acetone (67-64-1)	5000 lb final RQ; 2270 kg final RQ
Methyl alcohol (67-56-1)	5000 lb final RQ; 2270 kg final RQ

TSCA

All the components of this product are listed on, or are automatically included as "naturally occurring chemical substances" on, or are exempted from the requirement to be listed on, the TSCA Inventory.

Component Analysis

Component	CAS #	TSCA
Toluene	108-88-3	Yes
Acetone	67-64-1	Yes
Methyl alcohol	67-56-1	Yes

State Regulations

This product is not for sale or use in the State of California.

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	MA	MN	NJ	PA	CA
Toluene	108-88-3	Yes	Yes	Yes	Yes	Yes
Acetone	67-64-1	Yes	Yes	Yes	Yes	Yes
Methyl alcohol	67-56-1	Yes	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects.

Canadian Regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by the CPR.

Component Analysis

Component	CAS #	CAN
Toluene	108-88-3	DSL
Acetone	67-64-1	DSL
Methyl alcohol	67-56-1	DSL

Canadian WHMIS Information

B2, D2A, D2B

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Toluene (108-88-3)	1 %
Acetone (67-64-1)	1 %
Methyl alcohol (67-56-1)	1 %

Canadian Environmental Protection Act (CEPA)

All the components of this product are listed on, or are automatically included as "substance occurring in nature" on, or are exempted from the requirements to be listed on, the Canadian Domestic Substances List (DSL).

Material Safety Data Sheet

Material Name: PREMIUM LACQUER THINNER

ID: 82688

* * * Section 16 - Other Information * * *
--

Label/Other Information

Not available.

Revision Information

Regulatory update. Revised format (Sections 2 and 3 switched). Section 1 (Address changed, Revision dates), Section 5 (Fire fields), Section 8 (Added exposure limits), Section 11 (Toxicology fields), Section 12 (Component Ecotoxicity), Section 16 (Revision).

Disclaimer

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers. The data contained on this sheet apply to the product as supplier to the user.

End of Sheet 82688