



# SAFETY-KLEEN HEAVY DUTY LACQUER THINNER

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

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Version: 1.1

## SECTION 1: IDENTIFICATION

### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** SAFETY-KLEEN HEAVY DUTY LACQUER THINNER

**Product Code:** 5850, 5825, 6782

**Synonyms:** None.

**SDS No:** 82343

### 1.2. Intended Use of the Product

- For cleaning coating equipment (e.g., paint spray guns). If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

#### Restrictions on Use of the Product

- Tetrachloroethylene (127-18-14): After December 8, 2026 this chemical substance (as defined in TSCA section 3(2))/product cannot be distributed in commerce to retailers for any use. After March 8, 2027, this chemical substance (as defined in TSCA section 3(2))/product is and can only be distributed in commerce or processed with a concentration of PCE equal to or greater than 0.1% by weight for the following purposes: (1) Processing as a reactant/intermediate; (2) Processing into formulation, mixture or reaction product; (3) Processing by repackaging; (4) Recycling; (5) Industrial and commercial use as solvent in open-top batch vapor degreasing; (6) Industrial and commercial use as solvent in closed-loop batch vapor degreasing; (7) Industrial and commercial use in maskant for chemical milling; (8) Industrial and commercial use as a processing aid in catalyst regeneration in petrochemical manufacturing; (9) Industrial and commercial use as a processing aid in sectors other than petrochemical manufacturing; (10) Industrial and commercial use as solvent for cold cleaning of tanker vessels; (11) Industrial and commercial use as energized electrical cleaner; (12) Industrial and commercial use in laboratory chemicals; (13) Industrial and commercial use in solvent-based adhesives and sealants; (14) Industrial and commercial use in dry cleaning in 3rd generation machines until December 20, 2027; (15) Industrial and commercial use in all dry cleaning and related spot cleaning until December 19, 2034; (16) Export; and (17) Disposal.

### 1.3. Name, Address, and Telephone of the Responsible Party

#### Manufacturer

Safety-Kleen Systems, Inc.

42 Longwater Drive

Norwell, MA 02061-9149

1-800-669-5740

[www.safety-kleen.com](http://www.safety-kleen.com)

#### Supplier (in Canada)

Safety-Kleen Canada, Inc.

25 Regan Road

Brampton, Ontario, L1A 1B2, Canada

### 1.4. Emergency Telephone Number

**Emergency Number** : 1-800-468-1760

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

#### GHS-US/CA Classification

Flam. Liq. 1 H224

Acute Tox. 4 (Oral) H302

Acute Tox. 4 H332

(Inhalation:dust,mist)

Skin Irrit. 2 H315

Eye Dam. 1 H318

Skin Sens. 1 H317

Muta. 1B H340

Carc. 1A H350

Repr. 1A H360

STOT SE 1 H370

STOT SE 3 H336

STOT SE 3 H335

Full text of hazard classes and H-statements : see section 16

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### 2.2. Label Elements

#### GHS-US/CA Labeling

##### Hazard Pictograms (GHS-US/CA)



##### Signal Word (GHS-US/CA)

##### Hazard Statements (GHS-US/CA)

- : Danger
- H224 - Extremely flammable liquid and vapor.  
H302+H332 - Harmful if swallowed or if inhaled.  
H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.  
H335 - May cause respiratory irritation.  
H336 - May cause drowsiness or dizziness.  
H340 - May cause genetic defects.  
H350 - May cause cancer.  
H360 - May damage fertility or the unborn child.  
H370 - Causes damage to organs.  
H420 - Harms public health and the environment by destroying ozone in the upper atmosphere.
- Precautionary Statements (GHS-US/CA)** :
- P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground/bond container and receiving equipment.  
P241 - Use explosion-proof electrical, ventilating, and lighting equipment.  
P242 - Use only non-sparking tools.  
P243 - Take action to prevent static discharges.  
P260 - Do not breathe vapors, mist, or spray.  
P263 - Avoid contact during pregnancy/while nursing.  
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves, protective clothing, and eye protection.  
P370+P378 - In case of fire: Use appropriate media (see section 5) to extinguish.  
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.  
P330 - Rinse mouth.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P310 - Immediately call a POISON CENTER or doctor.  
P321 - Specific treatment (see section 4 on this SDS).  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P405 - Store locked up.  
P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

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### 2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

### 2.4. Unknown Acute Toxicity (GHS-US/CA)

No additional information available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Synonyms	Product Identifier	% *	GHS Ingredient Classification
Aromatic hydrocarbons	Hydrocarbons, aromatic / Aromatic solvent / Solvesso 100 / Hydrocarbons liquid aromatic	(CAS-No.) 63231-51-6	30 – 75	Carc. 1A, H350 Repr. 1A, H360 Asp. Tox. 1, H304
Acetone	Dimethyl ketone / 2-Propanone / ACETONE / Propan-2-one / Propanone	(CAS-No.) 67-64-1	≤ 60	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
2-Pentanone, 4-methyl-	Hexone / Isobutyl methyl ketone / Isopropylacetone / Methyl isobutyl ketone / 4-Methyl-2-pentanone	(CAS-No.) 108-10-1	≤ 60	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335
2-Heptanone	Methyl n-amyl ketone / n-Amyl methyl ketone / Amyl methyl ketone / Heptan-2-one / Methyl amyl ketone	(CAS-No.) 110-43-0	≤ 60	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 STOT SE 3, H336
Methyl propyl ketone	Methyl n-propyl ketone / Pentan-2-one / 2-Pentanone / Ethyl acetone	(CAS-No.) 107-87-9	≤ 60	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
Distillates, petroleum, solvent-refined light paraffinic	Petroleum distillates, solvent-refined light paraffinic / Distillates (petroleum), solvent-refined light paraffinic / Petroleum distillate solvent refined light paraffinic / Distillates, petroleum, solvent-refined light paraffinic (A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C15-30 and produces a finished oil with a viscosity of less than 100 SUS at 100°F (19cSt at 40°C).) / Distillates (petroleum), solvent-refined light paraffinic; base oil - unspecified	(CAS-No.) 64741-89-5	≤ 60	Carc. 1B, H350 Asp. Tox. 1, H304
Naphtha	Benzin / Coal tar naphtha / Naphtha (coal tar) / Petroleum naphtha / Rubber solvent petroleum products produced by the distillation of natural gas. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C6 and boiling in the range of	(CAS-No.) 8030-30-6	≤ 60	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304

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	approximately 100°C to 200°C (212°F to 392°F).]			
n-Butyl acetate	1-Butyl acetate / Butyl acetate, n- / Butyl acetate / BUTYL ACETATE / Acetic acid, n-butyl ester / Acetic acid, butyl ester / Butyl ethanoate	(CAS-No.) 123-86-4	≤ 17	Flam. Liq. 2, H225 STOT SE 3, H336
Isobutyl acetate	Acetic acid, 2-methylpropyl ester / Acetic acid, isobutyl ester / 2-Methylpropyl acetate / ISOBUTYL ACETATE	(CAS-No.) 110-19-0	≤ 17	Flam. Liq. 2, H225 STOT SE 3, H336
Isopropyl acetate	Acetic acid, 1-methylethyl ester / Acetic acid, isopropyl ester / 2-Propyl acetate / 1-Methylethyl acetate / ISOPROPYL ACETATE	(CAS-No.) 108-21-4	≤ 17	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Propylene glycol monomethyl ether acetate	Acetate, 1-methoxy-2-propyl / Acetic acid, 2-methoxy-1-methylethyl ester / 2-Methoxy-1-methylethyl acetate / 1-Methoxy-2-acetoxypropane / 1-Methoxy-2-propanol acetate	(CAS-No.) 108-65-6	≤ 17	Flam. Liq. 3, H226 STOT SE 3, H336
Ethyl acetate	Acetic acid, ethyl ester / Ethyl ethanoate / ETHYL ACETATE	(CAS-No.) 141-78-6	≤ 17	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Ethyl 3-ethoxypropanoate	Ethyl 3-ethoxypropionate / Propanoic acid, 3-ethoxy-, ethyl ester / Propionate, 3-ethoxy-, ethyl / Propionic acid, 3-ethoxy-, ethyl ester / EEP solvent	(CAS-No.) 763-69-9	≤ 17	Flam. Liq. 3, H226
Alcohols, C1-3	None.	(CAS-No.) 68475-56-9	≤ 12	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 STOT SE 2, H371 STOT SE 3, H336
1-Butanol	n-Butyl alcohol / n-Butanol / Butanol, 1- / 1-Butyl alcohol / 1-Hydroxybutane	(CAS-No.) 71-36-3	≤ 10	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336 STOT SE 3, H335
tert-Butyl alcohol	tert-Butanol / 2-Methylpropan-2-ol / Propan-2-ol, 2-methyl- / 2-Propanol, 2-methyl- / Trimethylcarbinol	(CAS-No.) 75-65-0	≤ 10	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2A, H319 STOT SE 3, H336 STOT SE 3, H335
Methyl ethyl ketone	Butan-2-one / 2-Butanone / Ethyl methyl ketone / Methyl acetone / MEK / Butanone	(CAS-No.) 78-93-3	≤ 6	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Repr. 2, H361 STOT SE 3, H335
Dichloromethane	Methylene chloride / Methane, dichloro- / Methylene dichloride / DICHLOROMETHANE	(CAS-No.) 75-09-2	≤ 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Carc. 1B, H350 STOT SE 1, H370 STOT SE 3, H336
Tetrachloroethylene	Ethene, tetrachloro- / Ethylene, tetrachloro- /	(CAS-No.) 127-18-4	≤ 1	Skin Irrit. 2, H315

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	Perchloroethylene / 1,1,2,2-Tetrachloroethylene / Ethene, 1,1,2,2-tetrachloro-			Skin Sens. 1B, H317 Carc. 2, H351 STOT SE 3, H336
1,1,1-Trichloroethane	Ethane, 1,1,1-trichloro- / Methyl chloroform / Trichloroethane, 1,1,1- / Methylchloroform / Trichloroethane	(CAS-No.) 71-55-6	≤ 1	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319

Full text of H-statements: see section 16

\*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

\*\* The actual concentration of ingredient(s) is withheld as a trade secret in accordance with the Hazardous Products Regulations (HPR) SOR/2015-17 and 29 CFR 1910.1200.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First-aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

**Skin Contact:** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Eye Contact:** Immediately rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. If vomiting occurs have person lean forward. Turn affected person(s) on their side and maintain in that position to prevent aspiration. Immediately call a POISON CENTER or doctor/physician.

### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**General:** May cause respiratory irritation. May cause drowsiness and dizziness. May cause cancer. Causes damage to organs. Skin sensitization. Causes skin irritation. May cause genetic defects. May damage fertility. May damage the unborn child. Harmful if swallowed. Harmful if inhaled. Causes serious eye damage.

**Inhalation:** Irritation of the respiratory tract and the other mucous membranes. High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms. Inhalation is likely to cause adverse health effects including but not limited to: irritation, difficulty breathing, and unconsciousness.

**Skin Contact:** May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Eye Contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Ingestion:** This material is harmful orally and can cause adverse health effects or death in significant amounts.

**Chronic Symptoms:** May cause cancer. May cause genetic defects. May damage fertility or the unborn child.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. A heavy water stream may spread burning liquid.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Extremely flammable liquid and vapor. Fire may produce irritating and/or toxic gases. Will float and can be reignited on water surface.

**Explosion Hazard:** May form flammable or explosive vapor-air mixture. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.

**Reactivity:** Reacts violently with strong oxidizers. Increased risk of fire or explosion.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Keep upwind.

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**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection. Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). Unidentified organic compounds. Chlorides. Formaldehyde. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation.

**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses.

### 5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not breathe vapor, mist or spray. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges.

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Eliminate ignition sources first, then ventilate the area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment:** Remove ignition sources. Do not touch or walk on the spilled product. Stop leak, if possible without risk. As an immediate precautionary measure, isolate spill or leak area in all directions. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Ventilate area. Take up in non combustible materials. Use only non-sparking tools.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-sparking tools.

### 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** Handle empty containers with care because residual vapors are flammable.

**Precautions for Safe Handling:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only non-sparking tools. Ground/bond container and receiving equipment. Do not breathe vapors, mist. Avoid contact with eyes, skin and clothing. Take precautionary measures against static discharge. Handle empty containers with care because they may still present a hazard. Use only outdoors or in a well-ventilated area. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations. Take action to prevent static discharges. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment.

**Storage Conditions:** Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area. Store in a well-ventilated place. Keep container tightly closed. Keep in fireproof place.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

### 7.3. Specific End Use(s)

For cleaning coating equipment (e.g., paint spray guns). If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

<b>Acetone (67-64-1)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	250 ppm
<b>USA ACGIH</b>	ACGIH OEL STEL [ppm]	500 ppm
<b>USA ACGIH</b>	ACGIH chemical category	Not Classifiable as a Human Carcinogen
<b>USA ACGIH</b>	BEI (BLV)	25 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift (nonspecific)
<b>USA OSHA</b>	OSHA PEL (TWA) [1]	2400 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	1000 ppm
<b>USA NIOSH</b>	NIOSH REL (TWA)	590 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL TWA [ppm]	250 ppm
<b>USA IDLH</b>	IDLH [ppm]	2500 ppm (10% LEL)
<b>Alberta</b>	OEL STEL	1800 mg/m <sup>3</sup>
<b>Alberta</b>	OEL STEL [ppm]	750 ppm
<b>Alberta</b>	OEL TWA	1200 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA [ppm]	500 ppm
<b>British Columbia</b>	OEL STEL [ppm]	500 ppm
<b>British Columbia</b>	OEL TWA [ppm]	250 ppm
<b>Manitoba</b>	OEL STEL [ppm]	500 ppm
<b>Manitoba</b>	OEL TWA [ppm]	250 ppm
<b>New Brunswick</b>	OEL STEL	1782 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL STEL [ppm]	750 ppm
<b>New Brunswick</b>	OEL TWA	1188 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA [ppm]	500 ppm
<b>Newfoundland &amp; Labrador</b>	OEL STEL [ppm]	500 ppm
<b>Newfoundland &amp; Labrador</b>	OEL TWA [ppm]	250 ppm
<b>Nova Scotia</b>	OEL STEL [ppm]	500 ppm
<b>Nova Scotia</b>	OEL TWA [ppm]	250 ppm
<b>Nunavut</b>	OEL STEL [ppm]	750 ppm
<b>Nunavut</b>	OEL TWA [ppm]	500 ppm
<b>Northwest Territories</b>	OEL STEL [ppm]	750 ppm
<b>Northwest Territories</b>	OEL TWA [ppm]	500 ppm
<b>Ontario</b>	OEL STEL [ppm]	500 ppm
<b>Ontario</b>	OEL TWA [ppm]	250 ppm
<b>Prince Edward Island</b>	OEL STEL [ppm]	500 ppm
<b>Prince Edward Island</b>	OEL TWA [ppm]	250 ppm
<b>Québec</b>	VECD (OEL STEL)	2380 mg/m <sup>3</sup>
<b>Québec</b>	VECD (OEL STEL) [ppm]	1000 ppm
<b>Québec</b>	VEMP (OEL TWA)	1190 mg/m <sup>3</sup>
<b>Québec</b>	VEMP (OEL TWA) [ppm]	500 ppm
<b>Saskatchewan</b>	OEL STEL [ppm]	750 ppm
<b>Saskatchewan</b>	OEL TWA [ppm]	500 ppm
<b>Yukon</b>	OEL STEL	3000 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL [ppm]	1250 ppm
<b>Yukon</b>	OEL TWA	2400 mg/m <sup>3</sup>
<b>Yukon</b>	OEL TWA [ppm]	1000 ppm
<b>Methyl ethyl ketone (78-93-3)</b>		

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<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	200 ppm
<b>USA ACGIH</b>	ACGIH OEL STEL [ppm]	300 ppm
<b>USA ACGIH</b>	BEI (BLV)	2 mg/l Parameter: MEK - Medium: urine - Sampling time: end of shift (nonspecific)
<b>USA OSHA</b>	OSHA PEL (TWA) [1]	590 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	200 ppm
<b>USA NIOSH</b>	NIOSH REL (TWA)	590 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL TWA [ppm]	200 ppm
<b>USA NIOSH</b>	NIOSH REL (STEL)	885 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL STEL [ppm]	300 ppm
<b>USA IDLH</b>	IDLH [ppm]	3000 ppm
<b>Alberta</b>	OEL STEL	885 mg/m <sup>3</sup>
<b>Alberta</b>	OEL STEL [ppm]	300 ppm
<b>Alberta</b>	OEL TWA	590 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA [ppm]	200 ppm
<b>British Columbia</b>	OEL STEL [ppm]	100 ppm
<b>British Columbia</b>	OEL TWA [ppm]	50 ppm
<b>Manitoba</b>	OEL STEL [ppm]	300 ppm
<b>Manitoba</b>	OEL TWA [ppm]	200 ppm
<b>New Brunswick</b>	OEL STEL	885 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL STEL [ppm]	300 ppm
<b>New Brunswick</b>	OEL TWA	590 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA [ppm]	200 ppm
<b>Newfoundland &amp; Labrador</b>	OEL STEL [ppm]	300 ppm
<b>Newfoundland &amp; Labrador</b>	OEL TWA [ppm]	200 ppm
<b>Nova Scotia</b>	OEL STEL [ppm]	300 ppm
<b>Nova Scotia</b>	OEL TWA [ppm]	200 ppm
<b>Nunavut</b>	OEL STEL [ppm]	300 ppm
<b>Nunavut</b>	OEL TWA [ppm]	200 ppm
<b>Northwest Territories</b>	OEL STEL [ppm]	300 ppm
<b>Northwest Territories</b>	OEL TWA [ppm]	200 ppm
<b>Ontario</b>	OEL STEL [ppm]	300 ppm
<b>Ontario</b>	OEL TWA [ppm]	200 ppm
<b>Prince Edward Island</b>	OEL STEL [ppm]	300 ppm
<b>Prince Edward Island</b>	OEL TWA [ppm]	200 ppm
<b>Québec</b>	VECD (OEL STEL)	300 mg/m <sup>3</sup>
<b>Québec</b>	VECD (OEL STEL) [ppm]	100 ppm
<b>Québec</b>	VEMP (OEL TWA)	150 mg/m <sup>3</sup>
<b>Québec</b>	VEMP (OEL TWA) [ppm]	50 ppm
<b>Saskatchewan</b>	OEL STEL [ppm]	300 ppm
<b>Saskatchewan</b>	OEL TWA [ppm]	200 ppm
<b>Yukon</b>	OEL STEL	740 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL [ppm]	250 ppm
<b>Yukon</b>	OEL TWA	590 mg/m <sup>3</sup>
<b>Yukon</b>	OEL TWA [ppm]	200 ppm
<b>2-Pentanone, 4-methyl- (108-10-1)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	20 ppm
<b>USA ACGIH</b>	ACGIH OEL STEL [ppm]	75 ppm
<b>USA ACGIH</b>	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
<b>USA ACGIH</b>	BEI (BLV)	1 mg/l Parameter: MIBK - Medium: urine - Sampling time: end of shift



# SAFETY-KLEEN HEAVY DUTY LACQUER THINNER

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<b>USA OSHA</b>	OSHA PEL (TWA) [1]	410 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	100 ppm
<b>USA NIOSH</b>	NIOSH REL (TWA)	205 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL TWA [ppm]	50 ppm
<b>USA NIOSH</b>	NIOSH REL (STEL)	300 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL STEL [ppm]	75 ppm
<b>USA IDLH</b>	IDLH [ppm]	500 ppm
<b>Alberta</b>	OEL STEL	307 mg/m <sup>3</sup>
<b>Alberta</b>	OEL STEL [ppm]	75 ppm
<b>Alberta</b>	OEL TWA	205 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA [ppm]	50 ppm
<b>British Columbia</b>	OEL STEL [ppm]	75 ppm
<b>British Columbia</b>	OEL TWA [ppm]	20 ppm
<b>Manitoba</b>	OEL STEL [ppm]	75 ppm
<b>Manitoba</b>	OEL TWA [ppm]	20 ppm
<b>New Brunswick</b>	OEL STEL	307 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL STEL [ppm]	75 ppm
<b>New Brunswick</b>	OEL TWA	205 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA [ppm]	50 ppm
<b>Newfoundland &amp; Labrador</b>	OEL STEL [ppm]	75 ppm
<b>Newfoundland &amp; Labrador</b>	OEL TWA [ppm]	20 ppm
<b>Nova Scotia</b>	OEL STEL [ppm]	75 ppm
<b>Nova Scotia</b>	OEL TWA [ppm]	20 ppm
<b>Nunavut</b>	OEL STEL [ppm]	75 ppm
<b>Nunavut</b>	OEL TWA [ppm]	50 ppm
<b>Northwest Territories</b>	OEL STEL [ppm]	75 ppm
<b>Northwest Territories</b>	OEL TWA [ppm]	50 ppm
<b>Ontario</b>	OEL STEL [ppm]	75 ppm
<b>Ontario</b>	OEL TWA [ppm]	20 ppm
<b>Prince Edward Island</b>	OEL STEL [ppm]	75 ppm
<b>Prince Edward Island</b>	OEL TWA [ppm]	20 ppm
<b>Québec</b>	VECD (OEL STEL) [ppm]	75 ppm
<b>Québec</b>	VEMP (OEL TWA) [ppm]	20 ppm
<b>Saskatchewan</b>	OEL STEL [ppm]	75 ppm
<b>Saskatchewan</b>	OEL TWA [ppm]	50 ppm
<b>Yukon</b>	OEL STEL	510 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL [ppm]	125 ppm
<b>Yukon</b>	OEL TWA	410 mg/m <sup>3</sup>
<b>Yukon</b>	OEL TWA [ppm]	100 ppm
<b>2-Heptanone (110-43-0)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	50 ppm
<b>USA OSHA</b>	OSHA PEL (TWA) [1]	465 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	100 ppm
<b>USA NIOSH</b>	NIOSH REL (TWA)	465 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL TWA [ppm]	100 ppm
<b>USA IDLH</b>	IDLH [ppm]	800 ppm
<b>Alberta</b>	OEL TWA	233 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA [ppm]	50 ppm
<b>British Columbia</b>	OEL TWA [ppm]	50 ppm
<b>Manitoba</b>	OEL TWA [ppm]	50 ppm
<b>New Brunswick</b>	OEL TWA	233 mg/m <sup>3</sup>

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<b>New Brunswick</b>	OEL TWA [ppm]	50 ppm
<b>Newfoundland &amp; Labrador</b>	OEL TWA [ppm]	50 ppm
<b>Nova Scotia</b>	OEL TWA [ppm]	50 ppm
<b>Nunavut</b>	OEL STEL [ppm]	60 ppm
<b>Nunavut</b>	OEL TWA [ppm]	50 ppm
<b>Northwest Territories</b>	OEL STEL [ppm]	60 ppm
<b>Northwest Territories</b>	OEL TWA [ppm]	50 ppm
<b>Ontario</b>	OEL TWA	115 mg/m <sup>3</sup>
<b>Ontario</b>	OEL TWA [ppm]	25 ppm
<b>Prince Edward Island</b>	OEL TWA [ppm]	50 ppm
<b>Québec</b>	VEMP (OEL TWA)	233 mg/m <sup>3</sup>
<b>Québec</b>	VEMP (OEL TWA) [ppm]	50 ppm
<b>Saskatchewan</b>	OEL STEL [ppm]	60 ppm
<b>Saskatchewan</b>	OEL TWA [ppm]	50 ppm
<b>Yukon</b>	OEL STEL	710 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL [ppm]	150 ppm
<b>Yukon</b>	OEL TWA	465 mg/m <sup>3</sup>
<b>Yukon</b>	OEL TWA [ppm]	100 ppm
<b>Methyl propyl ketone (107-87-9)</b>		
<b>USA ACGIH</b>	ACGIH OEL STEL [ppm]	150 ppm
<b>USA OSHA</b>	OSHA PEL (TWA) [1]	700 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	200 ppm
<b>USA NIOSH</b>	NIOSH REL (TWA)	530 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL TWA [ppm]	150 ppm
<b>USA IDLH</b>	IDLH [ppm]	1500 ppm
<b>Alberta</b>	OEL STEL	881 mg/m <sup>3</sup>
<b>Alberta</b>	OEL STEL [ppm]	250 ppm
<b>Alberta</b>	OEL TWA	705 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA [ppm]	200 ppm
<b>British Columbia</b>	OEL STEL [ppm]	250 ppm
<b>British Columbia</b>	OEL TWA [ppm]	150 ppm
<b>Manitoba</b>	OEL STEL [ppm]	150 ppm
<b>New Brunswick</b>	OEL STEL	881 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL STEL [ppm]	250 ppm
<b>New Brunswick</b>	OEL TWA	705 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA [ppm]	200 ppm
<b>Newfoundland &amp; Labrador</b>	OEL STEL [ppm]	150 ppm
<b>Nova Scotia</b>	OEL STEL [ppm]	150 ppm
<b>Nunavut</b>	OEL STEL [ppm]	250 ppm
<b>Nunavut</b>	OEL TWA [ppm]	200 ppm
<b>Northwest Territories</b>	OEL STEL [ppm]	250 ppm
<b>Northwest Territories</b>	OEL TWA [ppm]	200 ppm
<b>Ontario</b>	OEL STEL [ppm]	150 ppm
<b>Prince Edward Island</b>	OEL STEL [ppm]	150 ppm
<b>Québec</b>	VEMP (OEL TWA)	530 mg/m <sup>3</sup>
<b>Québec</b>	VEMP (OEL TWA) [ppm]	150 ppm
<b>Saskatchewan</b>	OEL STEL [ppm]	250 ppm
<b>Saskatchewan</b>	OEL TWA [ppm]	200 ppm
<b>Yukon</b>	OEL STEL	875 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL [ppm]	250 ppm
<b>Yukon</b>	OEL TWA	700 mg/m <sup>3</sup>

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<b>Yukon</b>	OEL TWA [ppm]	200 ppm
<b>Naphtha (8030-30-6)</b>		
<b>USA OSHA</b>	OSHA PEL (TWA) [1]	400 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	100 ppm
<b>USA NIOSH</b>	NIOSH REL (TWA)	400 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL TWA [ppm]	100 ppm
<b>USA IDLH</b>	IDLH [ppm]	1000 ppm (10% LEL)
<b>Alberta</b>	OEL TWA	1590 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA [ppm]	400 ppm
<b>New Brunswick</b>	OEL TWA	1590 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA [ppm]	400 ppm
<b>Nunavut</b>	OEL STEL [ppm]	500 ppm
<b>Nunavut</b>	OEL TWA [ppm]	400 ppm
<b>Northwest Territories</b>	OEL STEL [ppm]	500 ppm
<b>Northwest Territories</b>	OEL TWA [ppm]	400 ppm
<b>Québec</b>	VEMP (OEL TWA)	1000 mg/m <sup>3</sup>
<b>Saskatchewan</b>	OEL STEL [ppm]	500 ppm
<b>Saskatchewan</b>	OEL TWA [ppm]	400 ppm
<b>Yukon</b>	OEL STEL	2250 mg/m <sup>3</sup> (Rubber solvent and Coal tar)
<b>Yukon</b>	OEL STEL [ppm]	500 ppm (Rubber solvent and Coal tar)
<b>Yukon</b>	OEL TWA	1800 mg/m <sup>3</sup> (Rubber solvent and Coal tar)
<b>Yukon</b>	OEL TWA [ppm]	400 ppm (Rubber solvent and Coal tar)
<b>n-Butyl acetate (123-86-4)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
<b>USA ACGIH</b>	ACGIH OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
<b>USA OSHA</b>	OSHA PEL (TWA) [1]	710 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	150 ppm
<b>USA NIOSH</b>	NIOSH REL (TWA)	710 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL TWA [ppm]	150 ppm
<b>USA NIOSH</b>	NIOSH REL (STEL)	950 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL STEL [ppm]	200 ppm
<b>USA IDLH</b>	IDLH [ppm]	1700 ppm (10% LEL)
<b>Alberta</b>	OEL STEL	950 mg/m <sup>3</sup>
<b>Alberta</b>	OEL STEL [ppm]	200 ppm
<b>Alberta</b>	OEL TWA	713 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA [ppm]	150 ppm
<b>British Columbia</b>	OEL STEL [ppm]	150 ppm (Butyl acetate, all isomers)
<b>British Columbia</b>	OEL TWA [ppm]	50 ppm (Butyl acetate, all isomers)
<b>Manitoba</b>	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
<b>Manitoba</b>	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
<b>New Brunswick</b>	OEL STEL	950 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL STEL [ppm]	200 ppm
<b>New Brunswick</b>	OEL TWA	713 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA [ppm]	150 ppm
<b>Newfoundland &amp; Labrador</b>	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
<b>Newfoundland &amp; Labrador</b>	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
<b>Nova Scotia</b>	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
<b>Nova Scotia</b>	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
<b>Nunavut</b>	OEL STEL [ppm]	200 ppm
<b>Nunavut</b>	OEL TWA [ppm]	150 ppm
<b>Northwest Territories</b>	OEL STEL [ppm]	200 ppm

# SAFETY-KLEEN HEAVY DUTY LACQUER THINNER

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<b>Northwest Territories</b>	OEL TWA [ppm]	150 ppm
<b>Ontario</b>	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
<b>Ontario</b>	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
<b>Prince Edward Island</b>	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
<b>Prince Edward Island</b>	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
<b>Québec</b>	VECD (OEL STEL) [ppm]	150 ppm (Butyl acetate (all isomers))
<b>Québec</b>	VEMP (OEL TWA) [ppm]	50 ppm
<b>Saskatchewan</b>	OEL STEL [ppm]	200 ppm
<b>Saskatchewan</b>	OEL TWA [ppm]	150 ppm
<b>Yukon</b>	OEL STEL	950 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL [ppm]	200 ppm
<b>Yukon</b>	OEL TWA	710 mg/m <sup>3</sup>
<b>Yukon</b>	OEL TWA [ppm]	150 ppm
<b>Isobutyl acetate (110-19-0)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
<b>USA ACGIH</b>	ACGIH OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
<b>USA OSHA</b>	OSHA PEL (TWA) [1]	700 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	150 ppm
<b>USA NIOSH</b>	NIOSH REL (TWA)	700 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL TWA [ppm]	150 ppm
<b>USA IDLH</b>	IDLH [ppm]	1300 ppm (10% LEL)
<b>Alberta</b>	OEL TWA	713 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA [ppm]	150 ppm
<b>British Columbia</b>	OEL STEL [ppm]	150 ppm (Butyl acetate, all isomers)
<b>British Columbia</b>	OEL TWA [ppm]	50 ppm (Butyl acetate, all isomers)
<b>Manitoba</b>	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
<b>Manitoba</b>	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
<b>New Brunswick</b>	OEL TWA	713 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA [ppm]	150 ppm
<b>Newfoundland &amp; Labrador</b>	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
<b>Newfoundland &amp; Labrador</b>	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
<b>Nova Scotia</b>	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
<b>Nova Scotia</b>	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
<b>Nunavut</b>	OEL STEL [ppm]	188 ppm
<b>Nunavut</b>	OEL TWA [ppm]	150 ppm
<b>Northwest Territories</b>	OEL STEL [ppm]	188 ppm
<b>Northwest Territories</b>	OEL TWA [ppm]	150 ppm
<b>Ontario</b>	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
<b>Ontario</b>	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
<b>Prince Edward Island</b>	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
<b>Prince Edward Island</b>	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
<b>Québec</b>	VECD (OEL STEL) [ppm]	150 ppm (Butyl acetate (all isomers))
<b>Québec</b>	VEMP (OEL TWA) [ppm]	50 ppm
<b>Saskatchewan</b>	OEL STEL [ppm]	188 ppm
<b>Saskatchewan</b>	OEL TWA [ppm]	150 ppm
<b>Yukon</b>	OEL STEL	875 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL [ppm]	187 ppm
<b>Yukon</b>	OEL TWA	700 mg/m <sup>3</sup>
<b>Yukon</b>	OEL TWA [ppm]	150 ppm
<b>Isopropyl acetate (108-21-4)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	100 ppm (Propyl acetate isomers)

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<b>USA ACGIH</b>	ACGIH OEL STEL [ppm]	150 ppm (Propyl acetate isomers)
<b>USA OSHA</b>	OSHA PEL (TWA) [1]	950 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	250 ppm
<b>USA IDLH</b>	IDLH [ppm]	1800 ppm
<b>Alberta</b>	OEL STEL	832 mg/m <sup>3</sup>
<b>Alberta</b>	OEL STEL [ppm]	200 ppm
<b>Alberta</b>	OEL TWA	416 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA [ppm]	100 ppm
<b>British Columbia</b>	OEL STEL [ppm]	150 ppm (Propyl acetate isomers)
<b>British Columbia</b>	OEL TWA [ppm]	100 ppm (Propyl acetate isomers)
<b>Manitoba</b>	OEL STEL [ppm]	150 ppm (Propyl acetate isomers)
<b>Manitoba</b>	OEL TWA [ppm]	100 ppm (Propyl acetate isomers)
<b>New Brunswick</b>	OEL STEL	1290 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL STEL [ppm]	310 ppm
<b>New Brunswick</b>	OEL TWA	1040 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA [ppm]	250 ppm
<b>Newfoundland &amp; Labrador</b>	OEL STEL [ppm]	150 ppm (Propyl acetate isomers)
<b>Newfoundland &amp; Labrador</b>	OEL TWA [ppm]	100 ppm (Propyl acetate isomers)
<b>Nova Scotia</b>	OEL STEL [ppm]	150 ppm (Propyl acetate isomers)
<b>Nova Scotia</b>	OEL TWA [ppm]	100 ppm (Propyl acetate isomers)
<b>Nunavut</b>	OEL STEL [ppm]	200 ppm
<b>Nunavut</b>	OEL TWA [ppm]	100 ppm
<b>Northwest Territories</b>	OEL STEL [ppm]	200 ppm
<b>Northwest Territories</b>	OEL TWA [ppm]	100 ppm
<b>Ontario</b>	OEL STEL [ppm]	200 ppm
<b>Ontario</b>	OEL TWA [ppm]	100 ppm
<b>Prince Edward Island</b>	OEL STEL [ppm]	150 ppm (Propyl acetate isomers)
<b>Prince Edward Island</b>	OEL TWA [ppm]	100 ppm (Propyl acetate isomers)
<b>Québec</b>	VECD (OEL STEL) [ppm]	200 ppm
<b>Québec</b>	VEMP (OEL TWA) [ppm]	100 ppm
<b>Saskatchewan</b>	OEL STEL [ppm]	200 ppm
<b>Saskatchewan</b>	OEL TWA [ppm]	100 ppm
<b>Yukon</b>	OEL STEL	1185 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL [ppm]	310 ppm
<b>Yukon</b>	OEL TWA	950 mg/m <sup>3</sup>
<b>Yukon</b>	OEL TWA [ppm]	250 ppm
<b>Propylene glycol monomethyl ether acetate (108-65-6)</b>		
<b>USA AIHA</b>	WEEL TWA [ppm]	50 ppm
<b>British Columbia</b>	OEL STEL [ppm]	75 ppm
<b>British Columbia</b>	OEL TWA [ppm]	50 ppm
<b>Ontario</b>	OEL TWA	270 mg/m <sup>3</sup>
<b>Ontario</b>	OEL TWA [ppm]	50 ppm
<b>Ethyl acetate (141-78-6)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	400 ppm
<b>USA OSHA</b>	OSHA PEL (TWA) [1]	1400 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	400 ppm
<b>USA NIOSH</b>	NIOSH REL (TWA)	1400 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL TWA [ppm]	400 ppm
<b>USA IDLH</b>	IDLH [ppm]	2000 ppm (10% LEL)
<b>Alberta</b>	OEL TWA	1440 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA [ppm]	400 ppm

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<b>British Columbia</b>	OEL TWA [ppm]	150 ppm
<b>Manitoba</b>	OEL TWA [ppm]	400 ppm
<b>New Brunswick</b>	OEL TWA	1440 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA [ppm]	400 ppm
<b>Newfoundland &amp; Labrador</b>	OEL TWA [ppm]	400 ppm
<b>Nova Scotia</b>	OEL TWA [ppm]	400 ppm
<b>Nunavut</b>	OEL STEL [ppm]	500 ppm
<b>Nunavut</b>	OEL TWA [ppm]	400 ppm
<b>Northwest Territories</b>	OEL STEL [ppm]	500 ppm
<b>Northwest Territories</b>	OEL TWA [ppm]	400 ppm
<b>Ontario</b>	OEL TWA [ppm]	400 ppm
<b>Prince Edward Island</b>	OEL TWA [ppm]	400 ppm
<b>Québec</b>	VEMP (OEL TWA)	1440 mg/m <sup>3</sup>
<b>Québec</b>	VEMP (OEL TWA) [ppm]	400 ppm
<b>Saskatchewan</b>	OEL STEL [ppm]	500 ppm
<b>Saskatchewan</b>	OEL TWA [ppm]	400 ppm
<b>Yukon</b>	OEL STEL	1400 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL [ppm]	400 ppm
<b>Yukon</b>	OEL TWA	1400 mg/m <sup>3</sup>
<b>Yukon</b>	OEL TWA [ppm]	400 ppm
<b>1-Butanol (71-36-3)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	20 ppm
<b>USA OSHA</b>	OSHA PEL (TWA) [1]	300 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	100 ppm
<b>USA NIOSH</b>	NIOSH REL (Ceiling)	150 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL C [ppm]	50 ppm
<b>USA IDLH</b>	IDLH [ppm]	1400 ppm (10% LEL)
<b>Alberta</b>	OEL TWA	60 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA [ppm]	20 ppm
<b>British Columbia</b>	OEL Ceiling [ppm]	30 ppm
<b>British Columbia</b>	OEL TWA [ppm]	15 ppm
<b>Manitoba</b>	OEL TWA [ppm]	20 ppm
<b>New Brunswick</b>	OEL C	152 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL Ceiling [ppm]	50 ppm
<b>Newfoundland &amp; Labrador</b>	OEL TWA [ppm]	20 ppm
<b>Nova Scotia</b>	OEL TWA [ppm]	20 ppm
<b>Nunavut</b>	OEL STEL [ppm]	30 ppm
<b>Nunavut</b>	OEL TWA [ppm]	20 ppm
<b>Northwest Territories</b>	OEL STEL [ppm]	30 ppm
<b>Northwest Territories</b>	OEL TWA [ppm]	20 ppm
<b>Ontario</b>	OEL TWA [ppm]	20 ppm
<b>Prince Edward Island</b>	OEL TWA [ppm]	20 ppm
<b>Québec</b>	Plafond (OEL Ceiling)	152 mg/m <sup>3</sup>
<b>Québec</b>	Plafond (OEL Ceiling) [ppm]	50 ppm
<b>Saskatchewan</b>	OEL STEL [ppm]	30 ppm
<b>Saskatchewan</b>	OEL TWA [ppm]	20 ppm
<b>Yukon</b>	OEL C	150 mg/m <sup>3</sup>
<b>Yukon</b>	OEL Ceiling [ppm]	50 ppm
<b>tert-Butyl alcohol (75-65-0)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	100 ppm
<b>USA ACGIH</b>	ACGIH chemical category	Not Classifiable as a Human Carcinogen

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<b>USA OSHA</b>	OSHA PEL (TWA) [1]	300 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	100 ppm
<b>USA NIOSH</b>	NIOSH REL (TWA)	300 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL TWA [ppm]	100 ppm
<b>USA NIOSH</b>	NIOSH REL (STEL)	450 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL STEL [ppm]	150 ppm
<b>USA IDLH</b>	IDLH [ppm]	1600 ppm
<b>Alberta</b>	OEL TWA	303 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA [ppm]	100 ppm
<b>British Columbia</b>	OEL TWA [ppm]	100 ppm
<b>Manitoba</b>	OEL TWA [ppm]	100 ppm
<b>New Brunswick</b>	OEL TWA	303 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA [ppm]	100 ppm
<b>Newfoundland &amp; Labrador</b>	OEL TWA [ppm]	100 ppm
<b>Nova Scotia</b>	OEL TWA [ppm]	100 ppm
<b>Nunavut</b>	OEL STEL [ppm]	125 ppm
<b>Nunavut</b>	OEL TWA [ppm]	100 ppm
<b>Northwest Territories</b>	OEL STEL [ppm]	125 ppm
<b>Northwest Territories</b>	OEL TWA [ppm]	100 ppm
<b>Ontario</b>	OEL TWA [ppm]	100 ppm
<b>Prince Edward Island</b>	OEL TWA [ppm]	100 ppm
<b>Québec</b>	VEMP (OEL TWA)	303 mg/m <sup>3</sup>
<b>Québec</b>	VEMP (OEL TWA) [ppm]	100 ppm
<b>Saskatchewan</b>	OEL STEL [ppm]	125 ppm
<b>Saskatchewan</b>	OEL TWA [ppm]	100 ppm
<b>Yukon</b>	OEL STEL	450 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL [ppm]	150 ppm
<b>Yukon</b>	OEL TWA	300 mg/m <sup>3</sup>
<b>Yukon</b>	OEL TWA [ppm]	100 ppm
<b>Dichloromethane (75-09-2)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	50 ppm
<b>USA ACGIH</b>	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
<b>USA ACGIH</b>	BEI (BLV)	0.3 mg/l Parameter: Dichloromethane - Medium: urine - Sampling time: end of shift (semi-quantitative)
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	25 ppm
<b>USA OSHA</b>	OSHA PEL (STEL) [2]	125 ppm (see 29 CFR 1910.1052)
<b>USA IDLH</b>	IDLH [ppm]	2300 ppm
<b>Alberta</b>	OEL TWA	174 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA [ppm]	50 ppm
<b>British Columbia</b>	OEL TWA [ppm]	25 ppm
<b>Manitoba</b>	OEL TWA [ppm]	50 ppm
<b>New Brunswick</b>	OEL TWA	174 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA [ppm]	50 ppm
<b>Newfoundland &amp; Labrador</b>	OEL TWA [ppm]	50 ppm
<b>Nova Scotia</b>	OEL TWA [ppm]	50 ppm
<b>Nunavut</b>	OEL STEL [ppm]	75 ppm (regulated under Dichloromethane) 63 ppm
<b>Nunavut</b>	OEL TWA [ppm]	50 ppm
<b>Northwest Territories</b>	OEL STEL [ppm]	75 ppm 63 ppm (regulated under Methylene chloride)
<b>Northwest Territories</b>	OEL TWA [ppm]	50 ppm

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<b>Ontario</b>	OEL TWA [ppm]	50 ppm
<b>Prince Edward Island</b>	OEL TWA [ppm]	50 ppm
<b>Québec</b>	VEMP (OEL TWA)	174 mg/m <sup>3</sup>
<b>Québec</b>	VEMP (OEL TWA) [ppm]	50 ppm
<b>Saskatchewan</b>	OEL STEL [ppm]	63 ppm 75 ppm (regulated under Dichloromethane)
<b>Saskatchewan</b>	OEL TWA [ppm]	50 ppm
<b>Yukon</b>	OEL STEL	870 mg/m <sup>3</sup> 720 mg/m <sup>3</sup> (regulated under Dichloromethane)
<b>Yukon</b>	OEL STEL [ppm]	250 ppm 200 ppm (regulated under Dichloromethane)
<b>Yukon</b>	OEL TWA	700 mg/m <sup>3</sup> 720 mg/m <sup>3</sup> (regulated under Dichloromethane)
<b>Yukon</b>	OEL TWA [ppm]	200 ppm
<b>Tetrachloroethylene (127-18-4)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	25 ppm
<b>USA ACGIH</b>	ACGIH OEL STEL [ppm]	100 ppm
<b>USA ACGIH</b>	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
<b>USA ACGIH</b>	BEI (BLV)	3 ppm Parameter: Tetrachloroethylene - Medium: end-exhaled air - Sampling time: prior to shift 0.5 mg/l Parameter: Tetrachloroethylene - Medium: blood - Sampling time: prior to shift
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	100 ppm
<b>USA OSHA</b>	OSHA PEL C [ppm]	200 ppm
<b>USA OSHA</b>	Acceptable Maximum Peak Above The Acceptable Ceiling Concentration For An 8-Hr Shift	300 ppm Peak (5 minutes in any 3 hours)
<b>USA IDLH</b>	IDLH [ppm]	150 ppm
<b>Alberta</b>	OEL STEL	678 mg/m <sup>3</sup>
<b>Alberta</b>	OEL STEL [ppm]	100 ppm
<b>Alberta</b>	OEL TWA	170 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA [ppm]	25 ppm
<b>British Columbia</b>	OEL STEL [ppm]	100 ppm
<b>British Columbia</b>	OEL TWA [ppm]	25 ppm
<b>Manitoba</b>	OEL STEL [ppm]	100 ppm
<b>Manitoba</b>	OEL TWA [ppm]	25 ppm
<b>New Brunswick</b>	OEL STEL	685 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL STEL [ppm]	100 ppm
<b>New Brunswick</b>	OEL TWA	170 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA [ppm]	25 ppm
<b>Newfoundland &amp; Labrador</b>	OEL STEL [ppm]	100 ppm
<b>Newfoundland &amp; Labrador</b>	OEL TWA [ppm]	25 ppm
<b>Nova Scotia</b>	OEL STEL [ppm]	100 ppm
<b>Nova Scotia</b>	OEL TWA [ppm]	25 ppm
<b>Nunavut</b>	OEL STEL [ppm]	100 ppm
<b>Nunavut</b>	OEL TWA [ppm]	25 ppm
<b>Northwest Territories</b>	OEL STEL [ppm]	100 ppm
<b>Northwest Territories</b>	OEL TWA [ppm]	25 ppm
<b>Ontario</b>	OEL STEL [ppm]	100 ppm
<b>Ontario</b>	OEL TWA [ppm]	25 ppm
<b>Prince Edward Island</b>	OEL STEL [ppm]	100 ppm



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Prince Edward Island	OEL TWA [ppm]	25 ppm
Québec	VECD (OEL STEL)	685 mg/m <sup>3</sup>
Québec	VECD (OEL STEL) [ppm]	100 ppm
Québec	VEMP (OEL TWA)	170 mg/m <sup>3</sup>
Québec	VEMP (OEL TWA) [ppm]	25 ppm
Saskatchewan	OEL STEL [ppm]	100 ppm
Saskatchewan	OEL TWA [ppm]	25 ppm
Yukon	OEL STEL	1000 mg/m <sup>3</sup>
Yukon	OEL STEL [ppm]	150 ppm
Yukon	OEL TWA	670 mg/m <sup>3</sup>
Yukon	OEL TWA [ppm]	100 ppm
<b>1,1,1-Trichloroethane (71-55-6)</b>		
USA ACGIH	ACGIH OEL TWA [ppm]	350 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	450 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA ACGIH	BEI (BLV)	20 ppm Parameter: Methyl chloroform - Medium: end-exhaled air - Sampling time: prior to shift at end of workweek 700 µg/l Parameter: Methyl chloroform - Medium: urine - Sampling time: end of shift
USA OSHA	OSHA PEL (TWA) [1]	1900 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) [2]	350 ppm
USA NIOSH	NIOSH REL (Ceiling)	1900 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL C [ppm]	350 ppm
USA IDLH	IDLH [ppm]	700 ppm
Alberta	OEL STEL	2460 mg/m <sup>3</sup>
Alberta	OEL STEL [ppm]	450 ppm
Alberta	OEL TWA	1910 mg/m <sup>3</sup>
Alberta	OEL TWA [ppm]	350 ppm
British Columbia	OEL STEL [ppm]	450 ppm
British Columbia	OEL TWA [ppm]	350 ppm
Manitoba	OEL STEL [ppm]	450 ppm
Manitoba	OEL TWA [ppm]	350 ppm
New Brunswick	OEL STEL	2460 mg/m <sup>3</sup>
New Brunswick	OEL STEL [ppm]	450 ppm
New Brunswick	OEL TWA	1910 mg/m <sup>3</sup>
New Brunswick	OEL TWA [ppm]	350 ppm
Newfoundland & Labrador	OEL STEL [ppm]	450 ppm
Newfoundland & Labrador	OEL TWA [ppm]	350 ppm
Nova Scotia	OEL STEL [ppm]	450 ppm
Nova Scotia	OEL TWA [ppm]	350 ppm
Nunavut	OEL STEL [ppm]	450 ppm
Nunavut	OEL TWA [ppm]	350 ppm
Northwest Territories	OEL STEL [ppm]	450 ppm
Northwest Territories	OEL TWA [ppm]	350 ppm
Ontario	OEL STEL [ppm]	450 ppm
Ontario	OEL TWA [ppm]	350 ppm
Prince Edward Island	OEL STEL [ppm]	450 ppm
Prince Edward Island	OEL TWA [ppm]	350 ppm
Québec	VECD (OEL STEL)	2460 mg/m <sup>3</sup>
Québec	VECD (OEL STEL) [ppm]	450 ppm
Québec	VEMP (OEL TWA)	1910 mg/m <sup>3</sup>

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Québec	VEMP (OEL TWA) [ppm]	350 ppm
Saskatchewan	OEL STEL [ppm]	450 ppm
Saskatchewan	OEL TWA [ppm]	350 ppm
Yukon	OEL STEL	2400 mg/m <sup>3</sup>
Yukon	OEL STEL [ppm]	440 ppm
Yukon	OEL TWA	1900 mg/m <sup>3</sup>
Yukon	OEL TWA [ppm]	350 ppm
<b>Ethyl 3-ethoxypropanoate (763-69-9)</b>		
Ontario	OEL TWA	300 mg/m <sup>3</sup>
Ontario	OEL TWA [ppm]	50 ppm

### 8.2. Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Gas detectors should be used when toxic gases may be released.

**Personal Protective Equipment:** Gloves. Protective clothing. Safety glasses with side-shields. Insufficient ventilation: wear respiratory protection.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear protective gloves.

**Eye and Face Protection:** Safety glasses with side-shields. Faceshield as determined by task.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear, Colorless
Odor	: Solvent
Odor Threshold	: No data available
pH	: No data available
Evaporation Rate	: 3.7 (Similar product Butyl acetate =1)
Melting Point	: -129 – -22 °C (-200.2 – -7.6 °F)
Freezing Point	: No data available
Boiling Point	: 56 – 172 °C (132.8 – 341.6 °F)
Flash Point	: < 21 °C [Closed Cup.] (69.8 °F)
Auto-ignition Temperature	: 427 °C (800.6 °F)
Decomposition Temperature	: No data available
Flammability (solid, gas)	: Not applicable
Lower Flammable Limit	: 1 % (Approximate)
Upper Flammable Limit	: 13 % (Approximate)
Vapor Pressure	: 86 mm Hg @ 68 °F (20 °C.)
Relative Vapor Density at 20°C	: 2.2 – 3.9 (Approximate Air = 1)
Relative Density	: No data available
Density	: 6.9 lb/gal (US Approximate)
Specific Gravity	: 0.83 (Approximate Water = 1)

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<b>Solubility</b>	: Slight.
<b>Partition Coefficient: N-Octanol/Water</b>	: No data available
<b>Viscosity</b>	: No data available
<b>VOC content</b>	: 80 – 100 % wt% (as per 40 CFR part 51.100(s) )

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity:

Reacts violently with strong oxidizers. Increased risk of fire or explosion.

### 10.2. Chemical Stability:

Extremely flammable liquid and vapor. May form flammable or explosive vapor-air mixture.

### 10.3. Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

### 10.4. Conditions to Avoid:

Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

### 10.5. Incompatible Materials:

Strong acids, strong bases, strong oxidizers.

### 10.6. Hazardous Decomposition Products:

Thermal decomposition may produce: Carbon oxides (CO, CO<sub>2</sub>). Chlorides. Unidentified organic compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects - Product

**Acute Toxicity (Oral):** Harmful if swallowed.

**Acute Toxicity (Dermal):** Not classified

**Acute Toxicity (Inhalation):** Harmful if inhaled.

#### LD50 and LC50 Data:

SAFETY-KLEEN HEAVY DUTY LACQUER THINNER	
ATE US/CA (oral)	632.41 mg/kg body weight
ATE US/CA (dust, mist)	1.50 mg/l/4h

**Skin Corrosion/Irritation:** Causes skin irritation.

**Eye Damage/Irritation:** Causes serious eye damage.

**Respiratory or Skin Sensitization:** May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** May cause genetic defects.

**Carcinogenicity:** May cause cancer.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** May damage fertility or the unborn child.

**Specific Target Organ Toxicity (Single Exposure):** Causes damage to organs. May cause drowsiness or dizziness. May cause respiratory irritation.

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Irritation of the respiratory tract and the other mucous membranes. High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms. Inhalation is likely to cause adverse health effects including but not limited to: irritation, difficulty breathing, and unconsciousness.

**Symptoms/Injuries After Skin Contact:** May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Symptoms/Injuries After Eye Contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Symptoms/Injuries After Ingestion:** This material is harmful orally and can cause adverse health effects or death in significant amounts.

**Chronic Symptoms:** May cause cancer. May cause genetic defects. May damage fertility or the unborn child.

### 11.2. Information on Toxicological Effects - Ingredient(s)

#### LD50 and LC50 Data:

Acetone (67-64-1)	
LD50 Oral Rat	5800 mg/kg
LD50 Dermal Rabbit	> 15700 mg/kg

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LC50 Inhalation Rat	50100 mg/m <sup>3</sup> (Exposure time: 8 h)
<b>Methyl ethyl ketone (78-93-3)</b>	
LD50 Oral Rat	2483 mg/kg
LD50 Dermal Rabbit	5000 mg/kg
LC50 Inhalation Rat	11700 ppm/4h
<b>2-Pentanone, 4-methyl- (108-10-1)</b>	
LD50 Oral Rat	2080 mg/kg
LD50 Dermal Rabbit	3000 mg/kg
LC50 Inhalation Rat	2000 – 4000 ppm/4h
<b>2-Heptanone (110-43-0)</b>	
LD50 Oral Rat	1600 mg/kg
LD50 Dermal Rabbit	10300 mg/kg
LC50 Inhalation Rat	2000 – 4000 ppm (Exposure time: 6 h)
<b>Methyl propyl ketone (107-87-9)</b>	
LD50 Oral Rat	1600 mg/kg
LD50 Dermal Rat	6480 mg/kg
LC50 Inhalation Rat	2000 – 4000 ppm/4h
<b>Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)</b>	
LD50 Oral Rat	> 15 g/kg
LD50 Dermal Rabbit	> 5 g/kg
<b>Naphtha (8030-30-6)</b>	
LD50 Oral Rat	> 5 g/kg
LC50 Inhalation Rat	15000 ppm/4h
<b>n-Butyl acetate (123-86-4)</b>	
LD50 Oral Rat	10768 mg/kg
LD50 Dermal Rabbit	> 17600 mg/kg
LC50 Inhalation Rat	> 20 mg/l/4h (Results consistent with studies as part of EU REACH Dossier)
<b>Isobutyl acetate (110-19-0)</b>	
LD50 Oral Rat	15400 mg/kg
LD50 Dermal Rabbit	> 17400 mg/kg
<b>Isopropyl acetate (108-21-4)</b>	
LD50 Oral Rat	3000 mg/kg
LD50 Dermal Rabbit	> 17436 mg/kg
LC50 Inhalation Rat	50600 mg/m <sup>3</sup> (Exposure time: 8 h)
<b>Propylene glycol monomethyl ether acetate (108-65-6)</b>	
LD50 Oral Rat	8532 mg/kg
LD50 Dermal Rabbit	> 5 g/kg
LC50 Inhalation Rat	16000 mg/m <sup>3</sup> (Exposure time: 6 h)
<b>Ethyl acetate (141-78-6)</b>	
LD50 Oral Rat	5620 mg/kg
LD50 Dermal Rabbit	> 18000 mg/kg
LC50 Inhalation Rat	4000 ppm/4h
<b>1-Butanol (71-36-3)</b>	
LD50 Oral Rat	700 mg/kg
LD50 Dermal Rabbit	3402 mg/kg
LC50 Inhalation Rat	> 8000 ppm/4h
<b>tert-Butyl alcohol (75-65-0)</b>	
LD50 Oral Rat	2200 mg/kg
LD50 Dermal Rabbit	> 2 g/kg

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LC50 Inhalation Rat	> 10000 ppm/4h
<b>Dichloromethane (75-09-2)</b>	
LD50 Oral Rat	1600 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
LC50 Inhalation Rat	53 mg/l (Exposure time: 6 h)
<b>Tetrachloroethylene (127-18-4)</b>	
LD50 Oral Rat	2629 mg/kg
LC50 Inhalation Rat	27.8 mg/l/4h
<b>1,1,1-Trichloroethane (71-55-6)</b>	
LD50 Oral Rat	9600 mg/kg
LD50 Dermal Rabbit	> 15800 mg/kg
LC50 Inhalation Rat	18000 ppm/4h
<b>Ethyl 3-ethoxypropanoate (763-69-9)</b>	
LD50 Oral Rat	5 g/kg
LD50 Dermal Rabbit	> 9500 mg/kg
LC50 Inhalation Rat	> 5.96 mg/l (Exposure time: 6 h)
<b>Alcohols, C1-3 (68475-56-9)</b>	
ATE US/CA (oral)	500.00 mg/kg body weight
<b>2-Pentanone, 4-methyl- (108-10-1)</b>	
IARC Group	2B
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
<b>tert-Butyl alcohol (75-65-0)</b>	
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.
<b>Dichloromethane (75-09-2)</b>	
IARC Group	2A
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen, Evidence of Carcinogenicity.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
OSHA Specifically Regulated Carcinogen List	In OSHA Specifically Regulated Carcinogen list.
<b>Tetrachloroethylene (127-18-4)</b>	
IARC Group	2A
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen, Evidence of Carcinogenicity.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
<b>1,1,1-Trichloroethane (71-55-6)</b>	
IARC Group	3

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecology - General:** Very toxic to aquatic life with long lasting effects. Hazardous to the ozone layer.

<b>Aromatic hydrocarbons (63231-51-6)</b>	
NOEC Chronic Algae	0.076 mg/l
<b>Acetone (67-64-1)</b>	
LC50 Fish 1	4.74 – 6.33 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 - Crustacea [1]	10294 – 17704 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	6210 – 8120 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [2]	12600 – 12700 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Methyl ethyl ketone (78-93-3)</b>	
LC50 Fish 1	3130 – 3320 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	> 520 mg/l (Exposure time: 48 h - Species: Daphnia magna)

# SAFETY-KLEEN HEAVY DUTY LACQUER THINNER

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<b>EC50 - Crustacea [2]</b>	5091 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>2-Pentanone, 4-methyl- (108-10-1)</b>	
<b>LC50 Fish 1</b>	496 – 514 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>EC50 - Crustacea [1]</b>	170 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>2-Heptanone (110-43-0)</b>	
<b>LC50 Fish 1</b>	126 – 137 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>Methyl propyl ketone (107-87-9)</b>	
<b>LC50 Fish 1</b>	1190 – 1290 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)</b>	
<b>LC50 Fish 1</b>	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
<b>EC50 - Crustacea [1]</b>	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Naphtha (8030-30-6)</b>	
<b>LC50 Fish 1</b>	9.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>n-Butyl acetate (123-86-4)</b>	
<b>LC50 Fish 1</b>	100 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>LC50 Fish 2</b>	17 – 19 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>NOEC Chronic Crustacea</b>	23 mg/l
<b>NOEC Chronic Algae</b>	296 mg/l
<b>Isobutyl acetate (110-19-0)</b>	
<b>LC50 Fish 1</b>	17 mg/l (Exposure time: 96 h - Species: Oryzias latipes)
<b>Propylene glycol monomethyl ether acetate (108-65-6)</b>	
<b>LC50 Fish 1</b>	161 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
<b>EC50 - Crustacea [1]</b>	> 500 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Ethyl acetate (141-78-6)</b>	
<b>LC50 Fish 1</b>	220 – 250 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>EC50 - Crustacea [1]</b>	560 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
<b>LC50 Fish 2</b>	484 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
<b>1-Butanol (71-36-3)</b>	
<b>LC50 Fish 1</b>	1730 – 1910 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
<b>EC50 - Crustacea [1]</b>	1983 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>LC50 Fish 2</b>	1740 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>EC50 - Crustacea [2]</b>	1897 – 2072 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
<b>NOEC Chronic Crustacea</b>	4.1 mg/l
<b>tert-Butyl alcohol (75-65-0)</b>	
<b>LC50 Fish 1</b>	6130 – 6700 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>EC50 - Crustacea [1]</b>	933 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>EC50 - Crustacea [2]</b>	4607 – 6577 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
<b>Dichloromethane (75-09-2)</b>	
<b>LC50 Fish 1</b>	140.8 – 277.8 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>EC50 - Crustacea [1]</b>	1532 – 1847 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
<b>LC50 Fish 2</b>	262 – 855 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
<b>EC50 - Crustacea [2]</b>	190 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Tetrachloroethylene (127-18-4)</b>	
<b>LC50 Fish 1</b>	12.4 – 14.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>EC50 - Crustacea [1]</b>	6.1 – 9 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
<b>LC50 Fish 2</b>	8.6 – 13.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
<b>NOEC (Acute)</b>	32 – 100 mg/kg (Exposure time: 14 Days - Species: Eisenia foetida [soil wet weight])
<b>NOEC Chronic Fish</b>	1.99 mg/l
<b>NOEC Chronic Crustacea</b>	0.51 mg/l
<b>1,1,1-Trichloroethane (71-55-6)</b>	

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According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

LC50 Fish 1	57 – 90 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 - Crustacea [1]	> 530 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	35.2 – 50.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [2]	2384 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Ethyl 3-ethoxypropanoate (763-69-9)</b>	
LC50 Fish 1	62 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	970 mg/l (Exposure time: 48 h - Species: Daphnia magna)

### 12.2. Persistence and Degradability

<b>SAFETY-KLEEN HEAVY DUTY LACQUER THINNER</b>	
Persistence and Degradability	May cause long-term adverse effects in the environment.

### 12.3. Bioaccumulative Potential

<b>SAFETY-KLEEN HEAVY DUTY LACQUER THINNER</b>	
Bioaccumulative Potential	Not established.
<b>Acetone (67-64-1)</b>	
BCF Fish 1	0.69
Partition coefficient n-octanol/water (Log Pow)	-0.24
<b>Methyl ethyl ketone (78-93-3)</b>	
Partition coefficient n-octanol/water (Log Pow)	0.3
<b>2-Pentanone, 4-methyl- (108-10-1)</b>	
Partition coefficient n-octanol/water (Log Pow)	1.19
<b>2-Heptanone (110-43-0)</b>	
Partition coefficient n-octanol/water (Log Pow)	1.98
<b>Methyl propyl ketone (107-87-9)</b>	
Partition coefficient n-octanol/water (Log Pow)	0.91
<b>n-Butyl acetate (123-86-4)</b>	
Partition coefficient n-octanol/water (Log Pow)	1.81 (at 23 °C)
<b>Isobutyl acetate (110-19-0)</b>	
BCF Fish 1	(no significant bioconcentration)
Partition coefficient n-octanol/water (Log Pow)	1.72
<b>Isopropyl acetate (108-21-4)</b>	
Partition coefficient n-octanol/water (Log Pow)	1.03
<b>Propylene glycol monomethyl ether acetate (108-65-6)</b>	
Partition coefficient n-octanol/water (Log Pow)	0.43
<b>Ethyl acetate (141-78-6)</b>	
BCF Fish 1	30
Partition coefficient n-octanol/water (Log Pow)	0.6
<b>1-Butanol (71-36-3)</b>	
BCF Fish 1	0.64
Partition coefficient n-octanol/water (Log Pow)	0.785 (at 25 °C)

# SAFETY-KLEEN HEAVY DUTY LACQUER THINNER

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According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

<b>tert-Butyl alcohol (75-65-0)</b>	
<b>BCF Fish 1</b>	1.09
<b>Partition coefficient n-octanol/water (Log Pow)</b>	0.35
<b>Dichloromethane (75-09-2)</b>	
<b>BCF Fish 1</b>	6.4 – 40
<b>Partition coefficient n-octanol/water (Log Pow)</b>	1.25
<b>Tetrachloroethylene (127-18-4)</b>	
<b>BCF Fish 1</b>	25.8 – 77.1
<b>Partition coefficient n-octanol/water (Log Pow)</b>	2.53 – 2.88 (at 20 °C)
<b>1,1,1-Trichloroethane (71-55-6)</b>	
<b>BCF Fish 1</b>	0.7 – 3
<b>Partition coefficient n-octanol/water (Log Pow)</b>	2.46
<b>Ethyl 3-ethoxypropanoate (763-69-9)</b>	
<b>Partition coefficient n-octanol/water (Log Pow)</b>	1.35

### 12.4. Mobility in Soil

No additional information available

### 12.5. Other Adverse Effects

**Other Information:** Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

**Additional Information:** Handle empty containers with care because residual vapors are flammable.

**Ecology - Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

### 14.1. In Accordance with DOT

**Proper Shipping Name** : PAINT RELATED MATERIAL  
**Hazard Class** : 3  
**Identification Number** : UN1263  
**Label Codes** : 3  
**Packing Group** : II  
**Marine Pollutant** : Marine pollutant  
**ERG Number** : 128



### 14.2. In Accordance with IMDG

**Proper Shipping Name** : PAINT RELATED MATERIAL  
**Hazard Class** : 3  
**Identification Number** : UN1263  
**Label Codes** : 3  
**Packing Group** : II  
**EmS-No. (Fire)** : F-E  
**EmS-No. (Spillage)** : S-E  
**Marine pollutant** : Marine pollutant



### 14.3. In Accordance with IATA



# SAFETY-KLEEN HEAVY DUTY LACQUER THINNER

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

**Proper Shipping Name** : PAINT  
**Hazard Class** : 3  
**Identification Number** : UN1263  
**Label Codes** : 3  
**Packing Group** : II  
**ERG Code (IATA)** : 3L



### 14.4. In Accordance with TDG

**Proper Shipping Name** : PAINT RELATED MATERIAL  
**Hazard Class** : 3  
**Identification Number** : UN1263  
**Label Codes** : 3  
**Packing Group** : II  
**Marine Pollutant (TDG)** : Marine pollutant



## SECTION 15: REGULATORY INFORMATION

### 15.1. US Federal Regulations

SAFETY-KLEEN HEAVY DUTY LACQUER THINNER	
SARA Section 311/312 Hazard Classes	Health hazard - Specific target organ toxicity (single or repeated exposure) Health hazard - Carcinogenicity Health hazard - Respiratory or skin sensitization Health hazard - Skin corrosion or Irritation Physical hazard - Flammable (gases, aerosols, liquids, or solids) Health hazard - Germ cell mutagenicity Health hazard - Reproductive toxicity Health hazard - Acute toxicity (any route of exposure) Health hazard - Serious eye damage or eye irritation
<b>Acetone (67-64-1)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb
<b>Methyl ethyl ketone (78-93-3)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb
<b>2-Pentanone, 4-methyl- (108-10-1)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb
SARA Section 313 - Emission Reporting	0.1 %
<b>2-Heptanone (110-43-0)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>Methyl propyl ketone (107-87-9)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>Naphtha (8030-30-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>n-Butyl acetate (123-86-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb listed under Butyl acetate
<b>Isobutyl acetate (110-19-0)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb listed under Butyl acetate

# SAFETY-KLEEN HEAVY DUTY LACQUER THINNER

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<b>Isopropyl acetate (108-21-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>Propylene glycol monomethyl ether acetate (108-65-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>EPA TSCA Regulatory Flag</b>	PMN - PMN - indicates a commenced PMN substance.
<b>Ethyl acetate (141-78-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>CERCLA RQ</b>	5000 lb
<b>1-Butanol (71-36-3)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>CERCLA RQ</b>	5000 lb
<b>SARA Section 313 - Emission Reporting</b>	1 %
<b>tert-Butyl alcohol (75-65-0)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>SARA Section 313 - Emission Reporting</b>	1 %
<b>Dichloromethane (75-09-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>EPA TSCA Regulatory Flag</b>	R - R - indicates a substance that is the subject of a TSCA section 6 risk management rule.
<b>CERCLA RQ</b>	1000 lb
<b>SARA Section 313 - Emission Reporting</b>	0.1 %
<b>Tetrachloroethylene (127-18-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
After December 8, 2026 this chemical substance (as defined in TSCA section 3(2))/product cannot be distributed in commerce to retailers for any use. After March 8, 2027, this chemical substance (as defined in TSCA section 3(2))/product is and can only be distributed in commerce or processed with a concentration of PCE equal to or greater than 0.1% by weight for the following purposes: (1) Processing as a reactant/intermediate; (2) Processing into formulation, mixture or reaction product; (3) Processing by repackaging; (4) Recycling; (5) Industrial and commercial use as solvent in open-top batch vapor degreasing; (6) Industrial and commercial use as solvent in closed-loop batch vapor degreasing; (7) Industrial and commercial use in maskant for chemical milling; (8) Industrial and commercial use as a processing aid in catalyst regeneration in petrochemical manufacturing; (9) Industrial and commercial use as a processing aid in sectors other than petrochemical manufacturing; (10) Industrial and commercial use as solvent for cold cleaning of tanker vessels; (11) Industrial and commercial use as energized electrical cleaner; (12) Industrial and commercial use in laboratory chemicals; (13) Industrial and commercial use in solvent-based adhesives and sealants; (14) Industrial and commercial use in dry cleaning in 3rd generation machines until December 20, 2027; (15) Industrial and commercial use in all dry cleaning and related spot cleaning until December 19, 2034; (16) Export; and (17) Disposal.	
<b>CERCLA RQ</b>	100 lb
<b>SARA Section 313 - Emission Reporting</b>	0.1 %
<b>1,1,1-Trichloroethane (71-55-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>CERCLA RQ</b>	1000 lb
<b>SARA Section 313 - Emission Reporting</b>	1 %
<b>Ethyl 3-ethoxypropanoate (763-69-9)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

CAS-No.	Name	Percent by Weight
108-10-1	2-Pentanone, 4-methyl-	≤ 60%
71-36-3	1-Butanol	≤ 10%
75-65-0	tert-Butyl alcohol	≤ 10%
75-09-2	Dichloromethane	≤ 1%
127-18-4	Tetrachloroethylene	≤ 1%

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71-55-6	1,1,1-Trichloroethane	≤ 1%
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### 15.2. US State Regulations

#### SAFETY-KLEEN HEAVY DUTY LACQUER THINNER

##### State or local regulations

##### California Proposition 65



**WARNING:** This product can expose you to 2-Pentanone, 4-methyl-, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
2-Pentanone, 4-methyl- (108-10-1)	X	X		
Dichloromethane (75-09-2)	X			
Tetrachloroethylene (127-18-4)	X			

##### Acetone (67-64-1)

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - Massachusetts - Right To Know List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

##### Methyl ethyl ketone (78-93-3)

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - Massachusetts - Right To Know List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

##### 2-Pentanone, 4-methyl- (108-10-1)

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - Massachusetts - Right To Know List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

##### 2-Heptanone (110-43-0)

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - Massachusetts - Right To Know List

##### Methyl propyl ketone (107-87-9)

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - Massachusetts - Right To Know List

##### Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)

U.S. - Massachusetts - Right To Know List

##### Naphtha (8030-30-6)

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - Massachusetts - Right To Know List

##### n-Butyl acetate (123-86-4)

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - Massachusetts - Right To Know List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

##### Isobutyl acetate (110-19-0)

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

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U.S. - Massachusetts - Right To Know List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

### **Isopropyl acetate (108-21-4)**

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - Massachusetts - Right To Know List

### **Ethyl acetate (141-78-6)**

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - Massachusetts - Right To Know List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

### **1-Butanol (71-36-3)**

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - Massachusetts - Right To Know List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

### **tert-Butyl alcohol (75-65-0)**

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - Massachusetts - Right To Know List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

### **Dichloromethane (75-09-2)**

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - Massachusetts - Right To Know List  
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

### **Tetrachloroethylene (127-18-4)**

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - Massachusetts - Right To Know List  
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

### **1,1,1-Trichloroethane (71-55-6)**

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - Massachusetts - Right To Know List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

## **15.3. Canadian Regulations**

### **Acetone (67-64-1)**

Listed on the Canadian DSL (Domestic Substances List)

### **Methyl ethyl ketone (78-93-3)**

Listed on the Canadian DSL (Domestic Substances List)

### **2-Pentanone, 4-methyl- (108-10-1)**

Listed on the Canadian DSL (Domestic Substances List)

### **2-Heptanone (110-43-0)**

Listed on the Canadian DSL (Domestic Substances List)

### **Methyl propyl ketone (107-87-9)**

Listed on the Canadian DSL (Domestic Substances List)

### **Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)**

Listed on the Canadian DSL (Domestic Substances List)

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<b>Naphtha (8030-30-6)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>n-Butyl acetate (123-86-4)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Isobutyl acetate (110-19-0)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Isopropyl acetate (108-21-4)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Propylene glycol monomethyl ether acetate (108-65-6)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Ethyl acetate (141-78-6)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>1-Butanol (71-36-3)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>tert-Butyl alcohol (75-65-0)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Dichloromethane (75-09-2)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Tetrachloroethylene (127-18-4)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>1,1,1-Trichloroethane (71-55-6)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Ethyl 3-ethoxypropanoate (763-69-9)</b>
Listed on the Canadian DSL (Domestic Substances List)

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

<b>Date of Preparation or Latest Revision</b>	: 01/27/2025
<b>Revision</b>	: Supercedes 12/31/2023
<b>Indication of Changes</b>	: Revised to incorporate the downstream notification requirements for PCE in §751.613.
<b>Other Information</b>	: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

### GHS Full Text Phrases:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1A	Carcinogenicity Category 1A
Carc. 1B	Carcinogenicity Category 1B
Carc. 2	Carcinogenicity Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 1	Flammable liquids Category 1
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Muta. 1B	Germ cell mutagenicity Category 1B
Ozone 1	Hazardous to the ozone layer Category 1

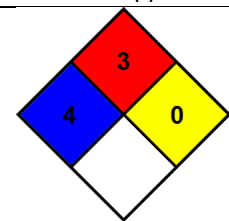
# SAFETY-KLEEN HEAVY DUTY LACQUER THINNER

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

PHNOC 1	Physical hazard not otherwise classified, category 1
Repr. 1A	Reproductive toxicity Category 1A
Repr. 2	Reproductive toxicity Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1B	Skin sensitization, category 1B
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 2	Specific target organ toxicity (single exposure) Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H224	Extremely flammable liquid and vapor
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs
H371	May cause damage to organs
H420	Harms public health and the environment by destroying ozone in the upper atmosphere

- NFPA Health Hazard** : 4 - Materials that, under emergency conditions, can be lethal.
- NFPA Fire Hazard** : 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.
- NFPA Reactivity Hazard** : 0 - Material that in themselves are normally stable, even under fire conditions.



*The information contained herein is correct to the best of our knowledge, information, and belief and is designed only as guidance for the handling, use, processing, storage, transportation, disposal, and release of the product. User assumes all risks incident to use of this product and shall determine the quality and suitability of the product for its use. Supplier offers no warranty, express or implied, whatsoever, including warranties of merchantability or fitness for a particular purpose or otherwise, and specifically disclaims any and all liability for incidental, consequential, or other damages arising out the use or misuse of the product. The information provided relates only to the specific material provided and may not be valid if used in combination with any other materials or process, unless specified herein.*

NA GHS SDS 2015 (Can, US)