

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: HEAVY DUTY 550 CLEANING SOLVENT

Product Code: 6864, 585821, 585826

Synonyms: None.

SDS No: 82509

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 Material Safety Data Sheet for those products.

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

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. 2	H225
Acute Tox. 4 (Oral)	H302
Acute Tox. 4 (Inhalation:dust,mist)	H332
Skin Irrit. 2	H315
Eye Dam. 1	H318
Muta. 1B	H340
Carc. 1A	H350
Repr. 1A	H360
STOT SE 2	H371
STOT SE 3	H336
STOT SE 3	H335

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

2.2. Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA)



Signal Word (GHS-US/CA)

: Danger

Hazard Statements (GHS-US/CA)

- : H225 - Highly flammable liquid and vapor.
- H302+H332 - Harmful if swallowed or if inhaled.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H335 - May cause respiratory irritation.
- H336 - May cause drowsiness or dizziness.
- H340 - May cause genetic defects.

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H350 - May cause cancer.
H360 - May damage fertility or the unborn child.
H371 - May cause damage to organs.
H304 - May be fatal if swallowed and enters airways.

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.
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.

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	15 – 80	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	40 – 80	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Methyl ethyl ketone	Butan-2-one / 2-Butanone / Ethyl methyl ketone / Methyl	(CAS-No.) 78-93-3	3 – 35	Flam. Liq. 2, H225 Eye Irrit. 2, H319

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	acetone / MEK / Butanone / methyl ethyl ketone			Repr. 2, H361 STOT SE 3, H335
2-Pentanone, 4-methyl-	Hexone / Isobutyl methyl ketone / Isopropylacetone / Methyl isobutyl ketone / 4-Methyl-2-pentanone	(CAS-No.) 108-10-1	3 – 35	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	3 – 35	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	3 – 35	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
n-Butyl acetate	1-Butyl acetate / Butyl acetate, n- / Butyl acetate / BUTYL ACETATE / Acetic acid, n-butyl ester / Acetic acid, butyl ester	(CAS-No.) 123-86-4	≤ 30	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	≤ 30	Flam. Liq. 2, H225 STOT SE 3, H336 Aquatic Acute 3, H402
Isopropyl acetate	Acetic acid, 1-methylethyl ester / Acetic acid, isopropyl ester / 2-Propyl acetate / 1-Methylethyl acetate / ISOPROPYL ACETATE	(CAS-No.) 108-21-4	≤ 30	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	≤ 30	Flam. Liq. 3, H226 STOT SE 3, H336
Ethyl acetate	Acetic acid, ethyl ester / Ethyl ethanoate / ETHYL ACETATE	(CAS-No.) 141-78-6	≤ 30	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
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	≤ 25	Carc. 1B, H350 Asp. Tox. 1, H304
Naphtha	Benzin / Coal tar naphtha / Naphtha (coal tar) /	(CAS-No.) 8030-30-6	≤ 25	Flam. Liq. 2, H225 Skin Irrit. 2, H315

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	Petroleum naphtha / Rubber solvent			Eye Irrit. 2A, H319 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304
Alcohols, C1-3	None.	(CAS-No.) 68475-56-9	≤ 20	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 / Butyl alcohol, tert- / Butanol, tertiary-	(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
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	≤ 5	Flam. Liq. 3, H226

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%).

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: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

Skin Contact: Immediately remove contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

Eye Contact: Immediately rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Do NOT induce vomiting. Rinse mouth. If vomiting occurs, keep head below waistline. . If vomiting occurs have person lean forward. Turn affected person(s) on their side and maintain in that position to prevent aspiration.

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 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: 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. This product contains methanol below its classification cutoff level. If this product is ingested in large quantities, the methanol in it may cause may cause acidosis and ocular toxicity ranging from diminished visual capacity to complete blindness, and possible death.

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

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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 (CO₂). Water may be ineffective but water should be used to keep fire-exposed container cool.

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: Vapor is denser than air – flashback may be possible over considerable distances. Highly flammable liquid and vapor.

Explosion Hazard: May form flammable or explosive vapor-air mixture.

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

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

Hazardous Combustion Products: Toxic fumes may be released. Formaldehyde. Unidentified organic compounds. Carbon oxides (CO, CO₂).

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. Use only non-sparking tools. Take up in non combustible materials. Ventilate area. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

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

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.

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Precautions for Safe Handling: Obtain special instructions before use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof equipment. Ground containers when transferring. 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. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do NOT breathe (vapor, mist, gas). Take precautionary measures against static discharge. Use only non-sparking tools. Handle empty containers with care because they may still present a hazard.

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: Reactive metals (Al, K, Zn). Halogens (F, Cl, Br, I). Alkalis. 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 Material Safety Data Sheet for those products.

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.

Acetone (67-64-1)		
USA ACGIH	ACGIH OEL TWA [ppm]	250 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	500 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA ACGIH	BEI (BLV)	25 mg/L Parameter: Acetone - Medium: urine - Sampling time: end of shift (nonspecific)
USA OSHA	OSHA PEL (TWA) [1]	2400 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	1000 ppm
USA NIOSH	NIOSH REL (TWA)	590 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	250 ppm
USA IDLH	IDLH [ppm]	2500 ppm (10% LEL)
Alberta	OEL STEL	1800 mg/m ³
Alberta	OEL STEL [ppm]	750 ppm
Alberta	OEL TWA	1200 mg/m ³
Alberta	OEL TWA [ppm]	500 ppm
British Columbia	OEL STEL [ppm]	500 ppm
British Columbia	OEL TWA [ppm]	250 ppm
Manitoba	OEL STEL [ppm]	500 ppm
Manitoba	OEL TWA [ppm]	250 ppm
New Brunswick	OEL STEL	1782 mg/m ³
New Brunswick	OEL STEL [ppm]	750 ppm
New Brunswick	OEL TWA	1188 mg/m ³
New Brunswick	OEL TWA [ppm]	500 ppm
Newfoundland & Labrador	OEL STEL [ppm]	500 ppm
Newfoundland & Labrador	OEL TWA [ppm]	250 ppm
Nova Scotia	OEL STEL [ppm]	500 ppm
Nova Scotia	OEL TWA [ppm]	250 ppm
Nunavut	OEL STEL [ppm]	750 ppm
Nunavut	OEL TWA [ppm]	500 ppm
Northwest Territories	OEL STEL [ppm]	750 ppm

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Northwest Territories	OEL TWA [ppm]	500 ppm
Ontario	OEL STEL [ppm]	500 ppm
Ontario	OEL TWA [ppm]	250 ppm
Prince Edward Island	OEL STEL [ppm]	500 ppm
Prince Edward Island	OEL TWA [ppm]	250 ppm
Québec	VECD (OEL STEL)	2380 mg/m ³
Québec	VECD (OEL STEL) [ppm]	1000 ppm
Québec	VEMP (OEL TWA)	1190 mg/m ³
Québec	VEMP (OEL TWA) [ppm]	500 ppm
Saskatchewan	OEL STEL [ppm]	750 ppm
Saskatchewan	OEL TWA [ppm]	500 ppm
Yukon	OEL STEL	3000 mg/m ³
Yukon	OEL STEL [ppm]	1250 ppm
Yukon	OEL TWA	2400 mg/m ³
Yukon	OEL TWA [ppm]	1000 ppm
Methyl ethyl ketone (78-93-3)		
USA ACGIH	ACGIH OEL TWA [ppm]	200 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	300 ppm
USA ACGIH	BEI (BLV)	2 mg/L Parameter: MEK - Medium: urine - Sampling time: end of shift (nonspecific)
USA OSHA	OSHA PEL (TWA) [1]	590 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	200 ppm
USA NIOSH	NIOSH REL (TWA)	590 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	200 ppm
USA NIOSH	NIOSH REL (STEL)	885 mg/m ³
USA NIOSH	NIOSH REL STEL [ppm]	300 ppm
USA IDLH	IDLH [ppm]	3000 ppm
Alberta	OEL STEL	885 mg/m ³
Alberta	OEL STEL [ppm]	300 ppm
Alberta	OEL TWA	590 mg/m ³
Alberta	OEL TWA [ppm]	200 ppm
British Columbia	OEL STEL [ppm]	100 ppm
British Columbia	OEL TWA [ppm]	50 ppm
Manitoba	OEL STEL [ppm]	300 ppm
Manitoba	OEL TWA [ppm]	200 ppm
New Brunswick	OEL STEL	885 mg/m ³
New Brunswick	OEL STEL [ppm]	300 ppm
New Brunswick	OEL TWA	590 mg/m ³
New Brunswick	OEL TWA [ppm]	200 ppm
Newfoundland & Labrador	OEL STEL [ppm]	300 ppm
Newfoundland & Labrador	OEL TWA [ppm]	200 ppm
Nova Scotia	OEL STEL [ppm]	300 ppm
Nova Scotia	OEL TWA [ppm]	200 ppm
Nunavut	OEL STEL [ppm]	300 ppm
Nunavut	OEL TWA [ppm]	200 ppm
Northwest Territories	OEL STEL [ppm]	300 ppm
Northwest Territories	OEL TWA [ppm]	200 ppm
Ontario	OEL STEL [ppm]	300 ppm
Ontario	OEL TWA [ppm]	200 ppm
Prince Edward Island	OEL STEL [ppm]	300 ppm
Prince Edward Island	OEL TWA [ppm]	200 ppm

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Québec	VECD (OEL STEL)	300 mg/m ³
Québec	VECD (OEL STEL) [ppm]	100 ppm
Québec	VEMP (OEL TWA)	150 mg/m ³
Québec	VEMP (OEL TWA) [ppm]	50 ppm
Saskatchewan	OEL STEL [ppm]	300 ppm
Saskatchewan	OEL TWA [ppm]	200 ppm
Yukon	OEL STEL	740 mg/m ³
Yukon	OEL STEL [ppm]	250 ppm
Yukon	OEL TWA	590 mg/m ³
Yukon	OEL TWA [ppm]	200 ppm
2-Pentanone, 4-methyl- (108-10-1)		
USA ACGIH	ACGIH OEL TWA [ppm]	20 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	75 ppm
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA ACGIH	BEI (BLV)	1 mg/L Parameter: MIBK - Medium: urine - Sampling time: end of shift
USA OSHA	OSHA PEL (TWA) [1]	410 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	100 ppm
USA NIOSH	NIOSH REL (TWA)	205 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	50 ppm
USA NIOSH	NIOSH REL (STEL)	300 mg/m ³
USA NIOSH	NIOSH REL STEL [ppm]	75 ppm
USA IDLH	IDLH [ppm]	500 ppm
Alberta	OEL STEL	307 mg/m ³
Alberta	OEL STEL [ppm]	75 ppm
Alberta	OEL TWA	205 mg/m ³
Alberta	OEL TWA [ppm]	50 ppm
British Columbia	OEL STEL [ppm]	75 ppm
British Columbia	OEL TWA [ppm]	20 ppm
Manitoba	OEL STEL [ppm]	75 ppm
Manitoba	OEL TWA [ppm]	20 ppm
New Brunswick	OEL STEL	307 mg/m ³
New Brunswick	OEL STEL [ppm]	75 ppm
New Brunswick	OEL TWA	205 mg/m ³
New Brunswick	OEL TWA [ppm]	50 ppm
Newfoundland & Labrador	OEL STEL [ppm]	75 ppm
Newfoundland & Labrador	OEL TWA [ppm]	20 ppm
Nova Scotia	OEL STEL [ppm]	75 ppm
Nova Scotia	OEL TWA [ppm]	20 ppm
Nunavut	OEL STEL [ppm]	75 ppm
Nunavut	OEL TWA [ppm]	50 ppm
Northwest Territories	OEL STEL [ppm]	75 ppm
Northwest Territories	OEL TWA [ppm]	50 ppm
Ontario	OEL STEL [ppm]	75 ppm
Ontario	OEL TWA [ppm]	20 ppm
Prince Edward Island	OEL STEL [ppm]	75 ppm
Prince Edward Island	OEL TWA [ppm]	20 ppm
Québec	VECD (OEL STEL) [ppm]	75 ppm
Québec	VEMP (OEL TWA) [ppm]	20 ppm
Saskatchewan	OEL STEL [ppm]	75 ppm

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Saskatchewan	OEL TWA [ppm]	50 ppm
Yukon	OEL STEL	510 mg/m ³
Yukon	OEL STEL [ppm]	125 ppm
Yukon	OEL TWA	410 mg/m ³
Yukon	OEL TWA [ppm]	100 ppm
2-Heptanone (110-43-0)		
USA ACGIH	ACGIH OEL TWA [ppm]	50 ppm
USA OSHA	OSHA PEL (TWA) [1]	465 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	100 ppm
USA NIOSH	NIOSH REL (TWA)	465 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	100 ppm
USA IDLH	IDLH [ppm]	800 ppm
Alberta	OEL TWA	233 mg/m ³
Alberta	OEL TWA [ppm]	50 ppm
British Columbia	OEL TWA [ppm]	50 ppm
Manitoba	OEL TWA [ppm]	50 ppm
New Brunswick	OEL TWA	233 mg/m ³
New Brunswick	OEL TWA [ppm]	50 ppm
Newfoundland & Labrador	OEL TWA [ppm]	50 ppm
Nova Scotia	OEL TWA [ppm]	50 ppm
Nunavut	OEL STEL [ppm]	60 ppm
Nunavut	OEL TWA [ppm]	50 ppm
Northwest Territories	OEL STEL [ppm]	60 ppm
Northwest Territories	OEL TWA [ppm]	50 ppm
Ontario	OEL TWA	115 mg/m ³
Ontario	OEL TWA [ppm]	25 ppm
Prince Edward Island	OEL TWA [ppm]	50 ppm
Québec	VEMP (OEL TWA)	233 mg/m ³
Québec	VEMP (OEL TWA) [ppm]	50 ppm
Saskatchewan	OEL STEL [ppm]	60 ppm
Saskatchewan	OEL TWA [ppm]	50 ppm
Yukon	OEL STEL	710 mg/m ³
Yukon	OEL STEL [ppm]	150 ppm
Yukon	OEL TWA	465 mg/m ³
Yukon	OEL TWA [ppm]	100 ppm
Methyl propyl ketone (107-87-9)		
USA ACGIH	ACGIH OEL STEL [ppm]	150 ppm
USA OSHA	OSHA PEL (TWA) [1]	700 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	200 ppm
USA NIOSH	NIOSH REL (TWA)	530 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	150 ppm
USA IDLH	IDLH [ppm]	1500 ppm
Alberta	OEL STEL	881 mg/m ³
Alberta	OEL STEL [ppm]	250 ppm
Alberta	OEL TWA	705 mg/m ³
Alberta	OEL TWA [ppm]	200 ppm
British Columbia	OEL STEL [ppm]	250 ppm
British Columbia	OEL TWA [ppm]	150 ppm
Manitoba	OEL STEL [ppm]	150 ppm
New Brunswick	OEL STEL	881 mg/m ³
New Brunswick	OEL STEL [ppm]	250 ppm

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New Brunswick	OEL TWA	705 mg/m ³
New Brunswick	OEL TWA [ppm]	200 ppm
Newfoundland & Labrador	OEL STEL [ppm]	150 ppm
Nova Scotia	OEL STEL [ppm]	150 ppm
Nunavut	OEL STEL [ppm]	250 ppm
Nunavut	OEL TWA [ppm]	200 ppm
Northwest Territories	OEL STEL [ppm]	250 ppm
Northwest Territories	OEL TWA [ppm]	200 ppm
Ontario	OEL STEL [ppm]	150 ppm
Prince Edward Island	OEL STEL [ppm]	150 ppm
Québec	VEMP (OEL TWA)	530 mg/m ³
Québec	VEMP (OEL TWA) [ppm]	150 ppm
Saskatchewan	OEL STEL [ppm]	250 ppm
Saskatchewan	OEL TWA [ppm]	200 ppm
Yukon	OEL STEL	875 mg/m ³
Yukon	OEL STEL [ppm]	250 ppm
Yukon	OEL TWA	700 mg/m ³
Yukon	OEL TWA [ppm]	200 ppm
n-Butyl acetate (123-86-4)		
USA ACGIH	ACGIH OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
USA ACGIH	ACGIH OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
USA OSHA	OSHA PEL (TWA) [1]	710 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	150 ppm
USA NIOSH	NIOSH REL (TWA)	710 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	150 ppm
USA NIOSH	NIOSH REL (STEL)	950 mg/m ³
USA NIOSH	NIOSH REL STEL [ppm]	200 ppm
USA IDLH	IDLH [ppm]	1700 ppm (10% LEL)
Alberta	OEL STEL	950 mg/m ³
Alberta	OEL STEL [ppm]	200 ppm
Alberta	OEL TWA	713 mg/m ³
Alberta	OEL TWA [ppm]	150 ppm
British Columbia	OEL STEL [ppm]	150 ppm (Butyl acetate, all isomers)
British Columbia	OEL TWA [ppm]	50 ppm (Butyl acetate, all isomers)
Manitoba	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
Manitoba	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
New Brunswick	OEL STEL	950 mg/m ³
New Brunswick	OEL STEL [ppm]	200 ppm
New Brunswick	OEL TWA	713 mg/m ³
New Brunswick	OEL TWA [ppm]	150 ppm
Newfoundland & Labrador	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
Newfoundland & Labrador	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
Nova Scotia	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
Nova Scotia	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
Nunavut	OEL STEL [ppm]	200 ppm
Nunavut	OEL TWA [ppm]	150 ppm
Northwest Territories	OEL STEL [ppm]	200 ppm
Northwest Territories	OEL TWA [ppm]	150 ppm
Ontario	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
Ontario	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
Prince Edward Island	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)

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Prince Edward Island	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
Québec	VECD (OEL STEL) [ppm]	150 ppm (Butyl acetate (all isomers))
Québec	VEMP (OEL TWA) [ppm]	50 ppm
Saskatchewan	OEL STEL [ppm]	200 ppm
Saskatchewan	OEL TWA [ppm]	150 ppm
Yukon	OEL STEL	950 mg/m ³
Yukon	OEL STEL [ppm]	200 ppm
Yukon	OEL TWA	710 mg/m ³
Yukon	OEL TWA [ppm]	150 ppm
Isobutyl acetate (110-19-0)		
USA ACGIH	ACGIH OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
USA ACGIH	ACGIH OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
USA OSHA	OSHA PEL (TWA) [1]	700 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	150 ppm
USA NIOSH	NIOSH REL (TWA)	700 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	150 ppm
USA IDLH	IDLH [ppm]	1300 ppm (10% LEL)
Alberta	OEL TWA	713 mg/m ³
Alberta	OEL TWA [ppm]	150 ppm
British Columbia	OEL STEL [ppm]	150 ppm (Butyl acetate, all isomers)
British Columbia	OEL TWA [ppm]	50 ppm (Butyl acetate, all isomers)
Manitoba	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
Manitoba	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
New Brunswick	OEL TWA	713 mg/m ³
New Brunswick	OEL TWA [ppm]	150 ppm
Newfoundland & Labrador	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
Newfoundland & Labrador	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
Nova Scotia	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
Nova Scotia	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
Nunavut	OEL STEL [ppm]	188 ppm
Nunavut	OEL TWA [ppm]	150 ppm
Northwest Territories	OEL STEL [ppm]	188 ppm
Northwest Territories	OEL TWA [ppm]	150 ppm
Ontario	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
Ontario	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
Prince Edward Island	OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
Prince Edward Island	OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
Québec	VECD (OEL STEL) [ppm]	150 ppm (Butyl acetate (all isomers))
Québec	VEMP (OEL TWA) [ppm]	50 ppm
Saskatchewan	OEL STEL [ppm]	188 ppm
Saskatchewan	OEL TWA [ppm]	150 ppm
Yukon	OEL STEL	875 mg/m ³
Yukon	OEL STEL [ppm]	187 ppm
Yukon	OEL TWA	700 mg/m ³
Yukon	OEL TWA [ppm]	150 ppm
Isopropyl acetate (108-21-4)		
USA ACGIH	ACGIH OEL TWA [ppm]	100 ppm (Propyl acetate isomers)
USA ACGIH	ACGIH OEL STEL [ppm]	150 ppm (Propyl acetate isomers)
USA OSHA	OSHA PEL (TWA) [1]	950 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	250 ppm
USA IDLH	IDLH [ppm]	1800 ppm

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

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Newfoundland & Labrador	OEL TWA [ppm]	400 ppm
Nova Scotia	OEL TWA [ppm]	400 ppm
Nunavut	OEL STEL [ppm]	500 ppm
Nunavut	OEL TWA [ppm]	400 ppm
Northwest Territories	OEL STEL [ppm]	500 ppm
Northwest Territories	OEL TWA [ppm]	400 ppm
Ontario	OEL TWA [ppm]	400 ppm
Prince Edward Island	OEL TWA [ppm]	400 ppm
Québec	VEMP (OEL TWA)	1440 mg/m ³
Québec	VEMP (OEL TWA) [ppm]	400 ppm
Saskatchewan	OEL STEL [ppm]	500 ppm
Saskatchewan	OEL TWA [ppm]	400 ppm
Yukon	OEL STEL	1400 mg/m ³
Yukon	OEL STEL [ppm]	400 ppm
Yukon	OEL TWA	1400 mg/m ³
Yukon	OEL TWA [ppm]	400 ppm
Naphtha (8030-30-6)		
USA OSHA	OSHA PEL (TWA) [1]	400 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	100 ppm
USA NIOSH	NIOSH REL (TWA)	400 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	100 ppm
USA IDLH	IDLH [ppm]	1000 ppm (10% LEL)
Alberta	OEL TWA	1590 mg/m ³
Alberta	OEL TWA [ppm]	400 ppm
New Brunswick	OEL TWA	1590 mg/m ³
New Brunswick	OEL TWA [ppm]	400 ppm
Nunavut	OEL STEL [ppm]	500 ppm
Nunavut	OEL TWA [ppm]	400 ppm
Northwest Territories	OEL STEL [ppm]	500 ppm
Northwest Territories	OEL TWA [ppm]	400 ppm
Québec	VEMP (OEL TWA)	1000 mg/m ³
Saskatchewan	OEL STEL [ppm]	500 ppm
Saskatchewan	OEL TWA [ppm]	400 ppm
Yukon	OEL STEL	2250 mg/m ³ (Rubber solvent and Coal tar)
Yukon	OEL STEL [ppm]	500 ppm (Rubber solvent and Coal tar)
Yukon	OEL TWA	1800 mg/m ³ (Rubber solvent and Coal tar)
Yukon	OEL TWA [ppm]	400 ppm (Rubber solvent and Coal tar)
1-Butanol (71-36-3)		
USA ACGIH	ACGIH OEL TWA [ppm]	20 ppm
USA OSHA	OSHA PEL (TWA) [1]	300 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	100 ppm
USA NIOSH	NIOSH REL (Ceiling)	150 mg/m ³
USA NIOSH	NIOSH REL C [ppm]	50 ppm
USA IDLH	IDLH [ppm]	1400 ppm (10% LEL)
Alberta	OEL TWA	60 mg/m ³
Alberta	OEL TWA [ppm]	20 ppm
British Columbia	OEL Ceiling [ppm]	30 ppm
British Columbia	OEL TWA [ppm]	15 ppm
Manitoba	OEL TWA [ppm]	20 ppm
New Brunswick	OEL C	152 mg/m ³
New Brunswick	OEL Ceiling [ppm]	50 ppm

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Newfoundland & Labrador	OEL TWA [ppm]	20 ppm
Nova Scotia	OEL TWA [ppm]	20 ppm
Nunavut	OEL STEL [ppm]	30 ppm
Nunavut	OEL TWA [ppm]	20 ppm
Northwest Territories	OEL STEL [ppm]	30 ppm
Northwest Territories	OEL TWA [ppm]	20 ppm
Ontario	OEL TWA [ppm]	20 ppm
Prince Edward Island	OEL TWA [ppm]	20 ppm
Québec	Plafond (OEL Ceiling)	152 mg/m ³
Québec	Plafond (OEL Ceiling) [ppm]	50 ppm
Saskatchewan	OEL STEL [ppm]	30 ppm
Saskatchewan	OEL TWA [ppm]	20 ppm
Yukon	OEL C	150 mg/m ³
Yukon	OEL Ceiling [ppm]	50 ppm
tert-Butyl alcohol (75-65-0)		
USA ACGIH	ACGIH OEL TWA [ppm]	100 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA OSHA	OSHA PEL (TWA) [1]	300 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	100 ppm
USA NIOSH	NIOSH REL (TWA)	300 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	100 ppm
USA NIOSH	NIOSH REL (STEL)	450 mg/m ³
USA NIOSH	NIOSH REL STEL [ppm]	150 ppm
USA IDLH	IDLH [ppm]	1600 ppm
Alberta	OEL TWA	303 mg/m ³
Alberta	OEL TWA [ppm]	100 ppm
British Columbia	OEL TWA [ppm]	100 ppm
Manitoba	OEL TWA [ppm]	100 ppm
New Brunswick	OEL TWA	303 mg/m ³
New Brunswick	OEL TWA [ppm]	100 ppm
Newfoundland & Labrador	OEL TWA [ppm]	100 ppm
Nova Scotia	OEL TWA [ppm]	100 ppm
Nunavut	OEL STEL [ppm]	125 ppm
Nunavut	OEL TWA [ppm]	100 ppm
Northwest Territories	OEL STEL [ppm]	125 ppm
Northwest Territories	OEL TWA [ppm]	100 ppm
Ontario	OEL TWA [ppm]	100 ppm
Prince Edward Island	OEL TWA [ppm]	100 ppm
Québec	VEMP (OEL TWA)	303 mg/m ³
Québec	VEMP (OEL TWA) [ppm]	100 ppm
Saskatchewan	OEL STEL [ppm]	125 ppm
Saskatchewan	OEL TWA [ppm]	100 ppm
Yukon	OEL STEL	450 mg/m ³
Yukon	OEL STEL [ppm]	150 ppm
Yukon	OEL TWA	300 mg/m ³
Yukon	OEL TWA [ppm]	100 ppm
Ethyl 3-ethoxypropanoate (763-69-9)		
Ontario	OEL TWA	300 mg/m ³
Ontario	OEL TWA [ppm]	50 ppm

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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: Safety glasses with side-shields. Gloves. Protective clothing. 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. Do not eat, drink or smoke when using this product

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear and Colorless
Odor	: Solvent
Odor Threshold	: No data available
pH	: No data available
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: 56.2 °C (133.16 °F)
Flash Point	: -18 °C (-0.4 °F)
Auto-ignition Temperature	: 427 °C (800.6 °F)
Decomposition Temperature	: No data available
Heat of Combustion	: 4 LB/US gallon; 500g/L (maximum) As per 40 CFR Part 51.100(s). Photochemically reactive (up to 60% by volume). VOC VP = 108 mmHg @ 68°F (20°C) (approx.)
Flammability (solid, gas)	: Not applicable
Lower Flammable Limit	: 1 % (Approximate)
Upper Flammable Limit	: 13 % (Approximate)
Vapor Pressure	: 108 mm Hg @ 68 °F (20 °C Approximate)
Relative Vapor Density at 20°C	: > 1 (Air = 1)
Relative Density	: No data available
Density	: 6.8 lb/gal (US approximate)
Specific Gravity	: 0.82 (Approximate water = 1)
Solubility	: Slight.
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available
VOC content	: 60 %; 4 LB/US gallon; 500g/l (maximum) As per 40 CFR Part 51.100(s). Photochemically reactive (up to 60% by volume). VOC VP = 108 mmHg @ 68°F (20°C) (approx.)

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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

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

10.2. Chemical Stability:

Highly 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:

Reactive metals (Al, K, Zn). Halogens (F, Cl, Br, I). Alkalis. Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products:

Thermal decomposition may produce: Carbon oxides (CO, CO₂). Aldehydes, ketones. Unidentified organic compounds. Toxic gases may be formed.

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:

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ATE US/CA (oral)	766.82 mg/kg body weight
ATE US/CA (dust, mist)	1.88 mg/L/4h

Skin Corrosion/Irritation: Causes skin irritation.

Eye Damage/Irritation: Causes serious eye damage.

Respiratory or Skin Sensitization: Not classified

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): May cause 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: 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. This product contains methanol below its classification cutoff level. If this product is ingested in large quantities, the methanol in it may cause may cause acidosis and ocular toxicity ranging from diminished visual capacity to complete blindness, and possible death.

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
LC50 Inhalation Rat	50100 mg/m ³ (Exposure time: 8 h)

Methyl ethyl ketone (78-93-3)	
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LD50 Oral Rat	2483 mg/kg
LD50 Dermal Rabbit	5000 mg/kg
LC50 Inhalation Rat	11700 ppm/4h
2-Pentanone, 4-methyl- (108-10-1)	
LD50 Oral Rat	2080 mg/kg
LD50 Dermal Rabbit	3000 mg/kg
LC50 Inhalation Rat	2000 – 4000 ppm/4h
2-Heptanone (110-43-0)	
LD50 Oral Rat	1600 mg/kg
LD50 Dermal Rabbit	10300 mg/kg
LC50 Inhalation Rat	2000 – 4000 ppm (Exposure time: 6 h)
Methyl propyl ketone (107-87-9)	
LD50 Oral Rat	1600 mg/kg
LD50 Dermal Rat	6480 mg/kg
LC50 Inhalation Rat	2000 – 4000 ppm/4h
n-Butyl acetate (123-86-4)	
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)
Isobutyl acetate (110-19-0)	
LD50 Oral Rat	15400 mg/kg
LD50 Dermal Rabbit	> 17400 mg/kg
Isopropyl acetate (108-21-4)	
LD50 Oral Rat	3000 mg/kg
LD50 Dermal Rabbit	> 17436 mg/kg
LC50 Inhalation Rat	50600 mg/m ³ (Exposure time: 8 h)
Propylene glycol monomethyl ether acetate (108-65-6)	
LD50 Oral Rat	8532 mg/kg
LD50 Dermal Rabbit	> 5 g/kg
LC50 Inhalation Rat	16000 mg/m ³ (Exposure time: 6 h)
Ethyl acetate (141-78-6)	
LD50 Oral Rat	5620 mg/kg
LD50 Dermal Rabbit	> 18000 mg/kg
LC50 Inhalation Rat	4000 ppm/4h
Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)	
LD50 Oral Rat	> 15 g/kg
LD50 Dermal Rabbit	> 5 g/kg
Naphtha (8030-30-6)	
LD50 Oral Rat	> 5 g/kg
LC50 Inhalation Rat	15000 ppm/4h
Alcohols, C1-3 (68475-56-9)	
1-Butanol (71-36-3)	
LD50 Oral Rat	700 mg/kg
LD50 Dermal Rabbit	3402 mg/kg
LC50 Inhalation Rat	> 8000 ppm/4h
tert-Butyl alcohol (75-65-0)	
LD50 Oral Rat	2200 mg/kg
LD50 Dermal Rabbit	> 2 g/kg
LC50 Inhalation Rat	> 10000 ppm/4h

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Ethyl 3-ethoxypropanoate (763-69-9)	
LD50 Oral Rat	5 g/kg
LD50 Dermal Rabbit	> 9500 mg/kg
LC50 Inhalation Rat	> 5.96 mg/L (Exposure time: 6 h)
2-Pentanone, 4-methyl- (108-10-1)	
IARC Group	2B
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
tert-Butyl alcohol (75-65-0)	
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Very toxic to aquatic life with long lasting effects.

Aromatic hydrocarbons (63231-51-6)	
NOEC Chronic Algae	0.076 mg/L
Acetone (67-64-1)	
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)
Methyl ethyl ketone (78-93-3)	
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)
EC50 - Crustacea [2]	5091 mg/L (Exposure time: 48 h - Species: Daphnia magna)
2-Pentanone, 4-methyl- (108-10-1)	
LC50 Fish 1	496 – 514 mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	170 mg/L (Exposure time: 48 h - Species: Daphnia magna)
2-Heptanone (110-43-0)	
LC50 Fish 1	126 – 137 mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
Methyl propyl ketone (107-87-9)	
LC50 Fish 1	1190 – 1290 mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
n-Butyl acetate (123-86-4)	
LC50 Fish 1	100 mg/L (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 Fish 2	17 – 19 mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
NOEC Chronic Crustacea	23 mg/L
NOEC Chronic Algae	296 mg/L
Isobutyl acetate (110-19-0)	
LC50 Fish 1	17 mg/L (Exposure time: 96 h - Species: Oryzias latipes)
Propylene glycol monomethyl ether acetate (108-65-6)	
LC50 Fish 1	161 mg/L (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	> 500 mg/L (Exposure time: 48 h - Species: Daphnia magna)
Ethyl acetate (141-78-6)	
LC50 Fish 1	220 – 250 mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	560 mg/L (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	484 mg/L (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)	
LC50 Fish 1	> 5000 mg/L (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 - Crustacea [1]	> 1000 mg/L (Exposure time: 48 h - Species: Daphnia magna)
Naphtha (8030-30-6)	

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LC50 Fish 1	9.2 mg/L (Exposure time: 96 h - Species: Lepomis macrochirus [static])
1-Butanol (71-36-3)	
LC50 Fish 1	1730 – 1910 mg/L (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	1983 mg/L (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	1740 mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [2]	1897 – 2072 mg/L (Exposure time: 48 h - Species: Daphnia magna [Static])
NOEC Chronic Crustacea	4.1 mg/L
tert-Butyl alcohol (75-65-0)	
LC50 Fish 1	6130 – 6700 mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	933 mg/L (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	4607 – 6577 mg/L (Exposure time: 48 h - Species: Daphnia magna [Static])
Ethyl 3-ethoxypropanoate (763-69-9)	
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

HEAVY DUTY 550 CLEANING SOLVENT	
Persistence and Degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

HEAVY DUTY 550 CLEANING SOLVENT	
Bioaccumulative Potential	Not established.
Acetone (67-64-1)	
BCF Fish 1	0.69
Partition coefficient n-octanol/water (Log Pow)	-0.24
Methyl ethyl ketone (78-93-3)	
Partition coefficient n-octanol/water (Log Pow)	0.3
2-Pentanone, 4-methyl- (108-10-1)	
Partition coefficient n-octanol/water (Log Pow)	1.19
2-Heptanone (110-43-0)	
Partition coefficient n-octanol/water (Log Pow)	1.98
Methyl propyl ketone (107-87-9)	
Partition coefficient n-octanol/water (Log Pow)	0.91
n-Butyl acetate (123-86-4)	
Partition coefficient n-octanol/water (Log Pow)	1.81 (at 23 °C / 73.4 °F)
Isobutyl acetate (110-19-0)	
BCF Fish 1	(no significant bioconcentration)
Partition coefficient n-octanol/water (Log Pow)	1.72
Isopropyl acetate (108-21-4)	
Partition coefficient n-octanol/water (Log Pow)	1.03
Propylene glycol monomethyl ether acetate (108-65-6)	
Partition coefficient n-octanol/water (Log Pow)	0.43
Ethyl acetate (141-78-6)	

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BCF Fish 1	30
Partition coefficient n-octanol/water (Log Pow)	0.6
1-Butanol (71-36-3)	
BCF Fish 1	0.64
Partition coefficient n-octanol/water (Log Pow)	0.785 (at 25 °C / 77 °F)
tert-Butyl alcohol (75-65-0)	
BCF Fish 1	1.09
Partition coefficient n-octanol/water (Log Pow)	0.35
Ethyl 3-ethoxypropanoate (763-69-9)	
Partition coefficient n-octanol/water (Log Pow)	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
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



14.3. In Accordance with IATA

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



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14.4. In Accordance with TDG

Proper Shipping Name : PAINT RELATED MATERIAL
Hazard Class : 3
Identification Number : UN1263
Label Codes : 3
Packing Group : II



SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

HEAVY DUTY 550 CLEANING SOLVENT	
SARA Section 311/312 Hazard Classes	Health hazard - Specific target organ toxicity (single or repeated exposure) Health hazard - Carcinogenicity 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
Acetone (67-64-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb
Methyl ethyl ketone (78-93-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb
2-Pentanone, 4-methyl- (108-10-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb
SARA Section 313 - Emission Reporting	0.1 %
2-Heptanone (110-43-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Methyl propyl ketone (107-87-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
n-Butyl acetate (123-86-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb listed under Butyl acetate
Isobutyl acetate (110-19-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb listed under Butyl acetate
Isopropyl acetate (108-21-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Propylene glycol monomethyl ether acetate (108-65-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
EPA TSCA Regulatory Flag	PMN - PMN - indicates a commenced PMN substance.
Ethyl acetate (141-78-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb
Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Naphtha (8030-30-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	

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1-Butanol (71-36-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb
SARA Section 313 - Emission Reporting	1 %

tert-Butyl alcohol (75-65-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
SARA Section 313 - Emission Reporting	1 %

Ethyl 3-ethoxypropanoate (763-69-9)	
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-	3 – 35%
71-36-3	1-Butanol	≤ 10%
75-65-0	tert-Butyl alcohol	≤ 10%

15.2. US State 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.

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
2-Pentanone, 4-methyl- (108-10-1)	X	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

n-Butyl acetate (123-86-4)
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

Isobutyl acetate (110-19-0)

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

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

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

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

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)

n-Butyl acetate (123-86-4)

Listed on the Canadian DSL (Domestic Substances List)

Isobutyl acetate (110-19-0)

Listed on the Canadian DSL (Domestic Substances List)

Isopropyl acetate (108-21-4)

Listed on the Canadian DSL (Domestic Substances List)

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Propylene glycol monomethyl ether acetate (108-65-6)
Listed on the Canadian DSL (Domestic Substances List)
Ethyl acetate (141-78-6)
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)
Naphtha (8030-30-6)
Listed on the Canadian DSL (Domestic Substances List)
1-Butanol (71-36-3)
Listed on the Canadian DSL (Domestic Substances List)
tert-Butyl alcohol (75-65-0)
Listed on the Canadian DSL (Domestic Substances List)
Ethyl 3-ethoxypropanoate (763-69-9)
Listed on the Canadian DSL (Domestic Substances List)

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

Date of Preparation or Latest Revision	: 10/26/2022
Indication of Changes	: Review of data. Language modified.
Other Information	: 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. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Muta. 1B	Germ cell mutagenicity Category 1B
Repr. 1A	Reproductive toxicity Category 1A
Repr. 2	Reproductive toxicity Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
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
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
H318	Causes serious eye damage

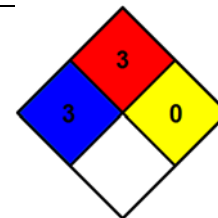
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H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child
H361	Suspected of damaging fertility or the unborn child
H371	May cause damage to organs

- NFPA Health Hazard** : 3 - Materials that, under emergency conditions, can cause serious or permanent injury.
- 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)