

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Sun Northlake Ethanol Blend

Product Code: 1064787

Synonyms: None.

SDS No: 820098

1.2. Intended Use of the Product

If this product is used in combination with other products, refer to the 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

Supplier (In Canada)

Safety-Kleen Canada, Inc.

25 Regan Road

Brampton, Ontario, Canada L1A 1B2

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

Eye Dam. 1 H318

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.
H318 - Causes serious eye damage.

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, lighting, ventilating equipment.
P242 - Use only non-sparking tools.
P243 - Take action to prevent static discharges.
P261 - Avoid breathing vapors, mist, or spray.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear Eye protection, face protection, protective clothing, protective gloves.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331 - Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

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Rinse skin with water .

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 - Call a POISON CENTER or doctor if you feel unwell.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P370+P378 - In case of fire: Use appropriate media (see section 5) to extinguish.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

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
Ethyl alcohol	Methylcarbinol / Ethanol / ALCOHOL / Alcohol anhydrous / Alcohol / Grain alcohol	(CAS-No.) 64-17-5	80 – 90	Flam. Liq. 2, H225 Eye Irrit. 2A, H319
Isopropyl alcohol	2-Hydroxypropane / 2-Propyl alcohol / 2-Propanol / Isopropanol / Propan-2-ol / ISOPROPYL ALCOHOL / Propanol, 2- / Isopropyl alcohol	(CAS-No.) 67-63-0	4 – 6	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
n-Propanol	n-Propyl alcohol / Propanol / 1-Propyl alcohol / Propyl alcohol / Propyl alcohol / Propanol, n- / 1-Propanol / Propan-1-ol / PROPYL ALCOHOL / Propanol, 1-	(CAS-No.) 71-23-8	0.1 – 4	Flam. Liq. 2, H225 Eye Dam. 1, H318 STOT SE 3, H336
n-Propyl acetate	Acetic acid, propyl ester / 1-Propyl acetate / Propyl acetate / Propyl acetate, n- / PROPYL ACETATE / Acetic acid, n-propyl ester / Propan-1-yl acetate	(CAS-No.) 109-60-4	0.1 – 4	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Ligroine	Mineral spirits / Petroleum ether / V. M. and P Naphtha / Benzine / MINERAL SPIRITS / Varnish makers' and painters' naphtha / Ligroine; low boiling point naphtha / Ligroine (A complex combination of hydrocarbons obtained by the fractional distillation of petroleum. This fraction boils in the range of approximately 60-110°C.) / Naphtha V.M. and P / Light petroleum / VM and P naphtha / Naphtha, varnish makers' and painters' / Petroleum benzine / Ligroine; Low boiling point naphtha [A complex combination of hydrocarbons obtained by the fractional	(CAS-No.) 8032-32-4	0.1 – 2	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Asp. Tox. 1, H304

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	distillation of petroleum. This fraction boils in a range of approximately 20°C to 135°C (58°F to 275°F).] / ligroin / VM&P Naphtha			
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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: Remove person to fresh air and keep 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. Wash contaminated clothing before reuse.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 60 minutes. Immediately call a POISON CENTER or doctor/physician.

Ingestion: Do NOT induce vomiting. Immediately call a poison center or doctor/physician. If vomiting occurs have person lean forward. Never give anything by mouth to an unconscious person.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: Causes serious eye damage.

Inhalation: Prolonged exposure may cause irritation.

Skin Contact: Prolonged exposure may cause skin irritation.

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

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting. Repeated exposure may cause skin dryness or cracking.

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. water fog. Water spray.

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: Highly flammable liquid and vapor. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.

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. Alcohols burn with a pale blue flame that is difficult to see under normal lighting conditions.

Firefighting Instructions: 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. Remove containers from fire area if this can be done without risk.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Unidentified organic compounds.

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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 get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges. Do not breathe vapor, mist or spray.

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.

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. Ventilate area. Contain and collect spillages with non-combustible absorbent materials, e.g. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal.

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. Eliminate all ignition sources. Ventilate area.

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, sparks, open flames, hot surfaces. – No smoking. Use only non-sparking tools. Ground containers when transferring. Take precautionary measures against static discharge. Avoid breathing vapors, mist, spray. Avoid contact with skin, eyes and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.

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 well-ventilated place. Keep container tightly closed. Store in a dry, cool place. Store locked up. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Keep away from flame, sparks, excessive temperatures and open flame. Use approved vented containers. Keep containers closed and clearly labeled. Empty product containers or vessels may contain explosive vapors, do not pressurize, cut, heat, weld or expose such containers to sources of ignition. Keep in fireproof place.

Incompatible Materials: Strong acids, strong bases, strong oxidizers. Alkali metals. Avoid aluminum at elevated temperatures.

7.3. Specific End Use(s)

If this product is used in combination with other products, refer to the 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.

Ethyl alcohol (64-17-5)

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USA ACGIH	ACGIH OEL STEL [ppm]	1000 ppm
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA OSHA	OSHA PEL (TWA) [1]	1900 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	1000 ppm
USA NIOSH	NIOSH REL (TWA)	1900 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	1000 ppm
USA IDLH	IDLH [ppm]	3300 ppm (10% LEL)
Alberta	OEL TWA	1880 mg/m ³
Alberta	OEL TWA [ppm]	1000 ppm
British Columbia	OEL STEL [ppm]	1000 ppm
Manitoba	OEL STEL [ppm]	1000 ppm
New Brunswick	OEL TWA	1880 mg/m ³
New Brunswick	OEL TWA [ppm]	1000 ppm
Newfoundland & Labrador	OEL STEL [ppm]	1000 ppm
Nova Scotia	OEL STEL [ppm]	1000 ppm
Nunavut	OEL STEL [ppm]	1250 ppm
Nunavut	OEL TWA [ppm]	1000 ppm
Northwest Territories	OEL STEL [ppm]	1250 ppm
Northwest Territories	OEL TWA [ppm]	1000 ppm
Ontario	OEL STEL [ppm]	1000 ppm
Prince Edward Island	OEL STEL [ppm]	1000 ppm
Québec	VECD (OEL STEL) [ppm]	1000 ppm
Saskatchewan	OEL STEL [ppm]	1250 ppm
Saskatchewan	OEL TWA [ppm]	1000 ppm
Yukon	OEL STEL	1900 mg/m ³
Yukon	OEL STEL [ppm]	1000 ppm
Yukon	OEL TWA	1900 mg/m ³
Yukon	OEL TWA [ppm]	1000 ppm
Isopropyl alcohol (67-63-0)		
USA ACGIH	ACGIH OEL TWA [ppm]	200 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	400 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA ACGIH	BEI (BLV)	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift at end of workweek (background, nonspecific)
USA OSHA	OSHA PEL (TWA) [1]	980 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	400 ppm
USA NIOSH	NIOSH REL (TWA)	980 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	400 ppm
USA NIOSH	NIOSH REL (STEL)	1225 mg/m ³
USA NIOSH	NIOSH REL STEL [ppm]	500 ppm
USA IDLH	IDLH [ppm]	2000 ppm (10% LEL)
Alberta	OEL STEL	984 mg/m ³
Alberta	OEL STEL [ppm]	400 ppm
Alberta	OEL TWA	492 mg/m ³
Alberta	OEL TWA [ppm]	200 ppm
British Columbia	OEL STEL [ppm]	400 ppm
British Columbia	OEL TWA [ppm]	200 ppm
Manitoba	OEL STEL [ppm]	400 ppm
Manitoba	OEL TWA [ppm]	200 ppm
New Brunswick	OEL STEL	1230 mg/m ³

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New Brunswick	OEL STEL [ppm]	500 ppm
New Brunswick	OEL TWA	983 mg/m ³
New Brunswick	OEL TWA [ppm]	400 ppm
Newfoundland & Labrador	OEL STEL [ppm]	400 ppm
Newfoundland & Labrador	OEL TWA [ppm]	200 ppm
Nova Scotia	OEL STEL [ppm]	400 ppm
Nova Scotia	OEL TWA [ppm]	200 ppm
Nunavut	OEL STEL [ppm]	400 ppm
Nunavut	OEL TWA [ppm]	200 ppm
Northwest Territories	OEL STEL [ppm]	400 ppm
Northwest Territories	OEL TWA [ppm]	200 ppm
Ontario	OEL STEL [ppm]	400 ppm
Ontario	OEL TWA [ppm]	200 ppm
Prince Edward Island	OEL STEL [ppm]	400 ppm
Prince Edward Island	OEL TWA [ppm]	200 ppm
Québec	VECD (OEL STEL)	1230 mg/m ³
Québec	VECD (OEL STEL) [ppm]	500 ppm
Québec	VEMP (OEL TWA)	985 mg/m ³
Québec	VEMP (OEL TWA) [ppm]	400 ppm
Saskatchewan	OEL STEL [ppm]	400 ppm
Saskatchewan	OEL TWA [ppm]	200 ppm
Yukon	OEL STEL	1225 mg/m ³
Yukon	OEL STEL [ppm]	500 ppm
Yukon	OEL TWA	980 mg/m ³
Yukon	OEL TWA [ppm]	400 ppm
n-Propanol (71-23-8)		
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]	500 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	200 ppm
USA NIOSH	NIOSH REL (TWA)	500 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	200 ppm
USA NIOSH	NIOSH REL (STEL)	625 mg/m ³
USA NIOSH	NIOSH REL STEL [ppm]	250 ppm
USA IDLH	IDLH [ppm]	800 ppm
Alberta	OEL STEL	984 mg/m ³
Alberta	OEL STEL [ppm]	400 ppm
Alberta	OEL TWA	492 mg/m ³
Alberta	OEL TWA [ppm]	200 ppm
British Columbia	OEL TWA [ppm]	100 ppm
Manitoba	OEL TWA [ppm]	100 ppm
New Brunswick	OEL STEL	614 mg/m ³
New Brunswick	OEL STEL [ppm]	250 ppm
New Brunswick	OEL TWA	492 mg/m ³
New Brunswick	OEL TWA [ppm]	200 ppm
Newfoundland & Labrador	OEL TWA [ppm]	100 ppm
Nova Scotia	OEL TWA [ppm]	100 ppm
Nunavut	OEL STEL [ppm]	400 ppm
Nunavut	OEL TWA [ppm]	200 ppm
Northwest Territories	OEL STEL [ppm]	400 ppm
Northwest Territories	OEL TWA [ppm]	200 ppm

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Ontario	OEL TWA [ppm]	100 ppm
Prince Edward Island	OEL TWA [ppm]	100 ppm
Québec	VEMP (OEL TWA) [ppm]	100 ppm
Saskatchewan	OEL STEL [ppm]	400 ppm
Saskatchewan	OEL TWA [ppm]	200 ppm
Yukon	OEL STEL	625 mg/m ³
Yukon	OEL STEL [ppm]	250 ppm
Yukon	OEL TWA	500 mg/m ³
Yukon	OEL TWA [ppm]	200 ppm
n-Propyl acetate (109-60-4)		
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]	840 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	200 ppm
USA NIOSH	NIOSH REL (TWA)	840 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	200 ppm
USA NIOSH	NIOSH REL (STEL)	1050 mg/m ³
USA NIOSH	NIOSH REL STEL [ppm]	250 ppm
USA IDLH	IDLH [ppm]	1700 ppm
Alberta	OEL STEL	1040 mg/m ³
Alberta	OEL STEL [ppm]	250 ppm
Alberta	OEL TWA	835 mg/m ³
Alberta	OEL TWA [ppm]	200 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	1040 mg/m ³
New Brunswick	OEL STEL [ppm]	250 ppm
New Brunswick	OEL TWA	835 mg/m ³
New Brunswick	OEL TWA [ppm]	200 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]	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]	250 ppm
Ontario	OEL TWA [ppm]	200 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)	1040 mg/m ³
Québec	VECD (OEL STEL) [ppm]	250 ppm
Québec	VEMP (OEL TWA)	835 mg/m ³
Québec	VEMP (OEL TWA) [ppm]	200 ppm
Saskatchewan	OEL STEL [ppm]	250 ppm
Saskatchewan	OEL TWA [ppm]	200 ppm
Yukon	OEL STEL	1050 mg/m ³
Yukon	OEL STEL [ppm]	250 ppm

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Yukon	OEL TWA	840 mg/m ³
Yukon	OEL TWA [ppm]	200 ppm
Ligroine (8032-32-4)		
USA NIOSH	NIOSH REL (TWA)	350 mg/m ³
USA NIOSH	NIOSH REL (Ceiling)	1800 mg/m ³
Alberta	OEL TWA	1400 mg/m ³
Alberta	OEL TWA [ppm]	300 ppm
New Brunswick	OEL TWA	1370 mg/m ³
New Brunswick	OEL TWA [ppm]	300 ppm
Nunavut	OEL STEL [ppm]	375 ppm
Nunavut	OEL TWA [ppm]	300 ppm
Northwest Territories	OEL STEL [ppm]	375 ppm
Northwest Territories	OEL TWA [ppm]	300 ppm
Québec	VEMP (OEL TWA)	1370 mg/m ³
Québec	VEMP (OEL TWA) [ppm]	300 ppm
Saskatchewan	OEL STEL [ppm]	375 ppm
Saskatchewan	OEL TWA [ppm]	300 ppm

8.2. Exposure Controls

Appropriate Engineering Controls: 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. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

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. Wear fire/flamm resistant/retardant clothing.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Safety glasses with side-shields.

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	: Mild
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	: 175 °F (79.44 °C)
Flash Point	: < 70 °F (21.11 °C)
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: Not applicable
Lower Flammable Limit	: 3 %

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Upper Flammable Limit	: 19 %
Vapor Pressure	: ≈ 40 mm Hg at 75°F (24°C)
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Specific Gravity	: 0.8 (water=1)
Solubility	: 100% in water.
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

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:

Strong acids, strong bases, strong oxidizers. Alkali metals. Avoid aluminum at elevated temperatures.

10.6. Hazardous Decomposition Products:

Thermal decomposition may produce: Carbon oxides (CO, CO₂). Unidentified organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Not classified

LD50 and LC50 Data:

No additional information available

Skin Corrosion/Irritation: Not classified

Eye Damage/Irritation: Causes serious eye damage.

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): May cause drowsiness or dizziness.

Aspiration Hazard: May be fatal if swallowed and enters airways.

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

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

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting. Repeated exposure may cause skin dryness or cracking.

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Ethyl alcohol (64-17-5)	
LD50 Oral Rat	7060 mg/kg
LC50 Inhalation Rat	133.8 mg/l/4h
Isopropyl alcohol (67-63-0)	
LD50 Dermal Rabbit	4059 mg/kg
LC50 Inhalation Rat	> 10000 ppm (Exposure time: 6 h)

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n-Propanol (71-23-8)	
LD50 Dermal Rabbit	4049 mg/kg
LC50 Inhalation Rat	> 33.8 mg/l/4h
n-Propyl acetate (109-60-4)	
LD50 Oral Rat	8700 mg/kg
LD50 Dermal Rabbit	> 17756 mg/kg
LC50 Inhalation Rat	32 mg/l/4h
Ligroine (8032-32-4)	
LD50 Dermal Rabbit	> 6000 mg/kg
LC50 Inhalation Rat	3400 ppm/4h
Isopropyl alcohol (67-63-0)	
IARC Group	3

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Not classified.

Ethyl alcohol (64-17-5)	
LC50 Fish 1	12 – 16 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	9268 – 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [2]	2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
Isopropyl alcohol (67-63-0)	
LC50 Fish 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
n-Propanol (71-23-8)	
LC50 Fish 1	4480 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	3642 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	3339 – 3977 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
n-Propyl acetate (109-60-4)	
LC50 Fish 1	56 – 64 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 Fish 2	56 – 64 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

12.2. Persistence and Degradability

Sun Northlake Ethanol Blend	
Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

Sun Northlake Ethanol Blend	
Bioaccumulative Potential	Not established.
Ethyl alcohol (64-17-5)	
Partition coefficient n-octanol/water (Log Pow)	-0.32
Isopropyl alcohol (67-63-0)	
Partition coefficient n-octanol/water (Log Pow)	0.05 (at 25 °C)
n-Propanol (71-23-8)	
Partition coefficient n-octanol/water (Log Pow)	0.25 – 0.34

12.4. Mobility in Soil

No additional information available

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12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Treatment Methods: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Sewage Disposal Recommendations: Do not dispose of waste into sewer. Do not empty into drains.

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

Ecology - Waste Materials: Avoid release to the environment.

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 : ALCOHOLS, N.O.S. (CONTAINS Ethyl alcohol Isopropyl alcohol)
Hazard Class : 3
Identification Number : UN1987
Label Codes : 3
Packing Group : II
ERG Number : 127



14.2. In Accordance with IMDG

Proper Shipping Name : ALCOHOLS, N.O.S. (CONTAINS Ethyl alcohol Isopropyl alcohol)
Hazard Class : 3
Identification Number : UN1987
Label Codes : 3
Packing Group : II
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-D



14.3. In Accordance with IATA

Proper Shipping Name : ALCOHOLS, N.O.S. (CONTAINS Ethyl alcohol Isopropyl alcohol)
Hazard Class : 3
Identification Number : UN1987
Label Codes : 3
Packing Group : II
ERG Code (IATA) : 3L



14.4. In Accordance with TDG

Proper Shipping Name : ALCOHOLS, N.O.S. (CONTAINS Ethyl alcohol Isopropyl alcohol)
Hazard Class : 3
Identification Number : UN1987
Label Codes : 3
Packing Group : II



SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

Sun Northlake Ethanol Blend	
SARA Section 311/312 Hazard Classes	Physical hazard - Flammable (gases, aerosols, liquids, or solids) Health hazard - Serious eye damage or eye irritation
Ethyl alcohol (64-17-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Isopropyl alcohol (67-63-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
SARA Section 313 - Emission Reporting	1 % (only if manufactured by the strong acid process, no supplier notification)

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n-Propanol (71-23-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

n-Propyl acetate (109-60-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Ligroine (8032-32-4)

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
67-63-0	Isopropyl alcohol	4 – 6%

15.2. US State Regulations

Ethyl alcohol (64-17-5)

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

Isopropyl alcohol (67-63-0)

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

n-Propanol (71-23-8)

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-Propyl acetate (109-60-4)

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

Ligroine (8032-32-4)

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

15.3. Canadian Regulations

Ethyl alcohol (64-17-5)

Listed on the Canadian DSL (Domestic Substances List)

Isopropyl alcohol (67-63-0)

Listed on the Canadian DSL (Domestic Substances List)

n-Propanol (71-23-8)

Listed on the Canadian DSL (Domestic Substances List)

n-Propyl acetate (109-60-4)

Listed on the Canadian DSL (Domestic Substances List)

Ligroine (8032-32-4)

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 : 06/20/2022

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.

Sun Northlake Ethanol Blend

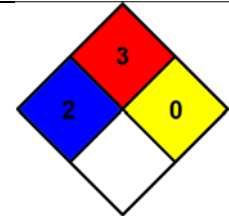
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GHS Full Text Phrases:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Asp. Tox. 1	Aspiration hazard Category 1
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
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness

- NFPA Health Hazard** : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual 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)