

## SECTION 1: IDENTIFICATION

### 1.1. Product Identifier

**Product Form:** Substance

**Product Name:** SAFETY-KLEEN ISOPROPYL ACETATE

**Product Code:** 1021852

**Synonyms:** Acetic acid, 1-methylethyl ester, 2-Acetoxypropane, 2-Propylacetate, acetic acid, Isopropyl ester, Isopropyl ethanoate, 1-Methylethyl acetate

**SDS No:** 82609

### 1.2. Intended Use of the Product

Coating applications. 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](http://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

Flammable liquids Category 2

H225

Serious eye damage/eye irritation Category 2

H319

Specific target organ toxicity — Single exposure, Category 3,  
Narcosis

H336

### 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.  
H319 - Causes serious eye irritation.  
H336 - May cause drowsiness or dizziness.  
H315 - Causes skin irritation.  
H335 - May cause respiratory irritation.

**Precautionary Statements (GHS-US/CA)** : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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.

P261 - Avoid breathing vapors, mist, or spray.

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves, protective clothing, and eye protection.

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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.  
P312 - Call a POISON CENTER or doctor if you feel unwell.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P370+P378 - In case of fire: Use appropriate media (see section 5) to extinguish.  
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

Name : SAFETY-KLEEN ISOPROPYL ACETATE

Name	Synonyms	Product Identifier	% *	GHS Ingredient Classification
Isopropyl acetate	Acetic acid, 1-methylethyl ester / Acetic acid, isopropyl ester / 2-Propyl acetate / ISOPROPYL ACETATE / 1-Methylethyl acetate	(CAS-No.) 108-21-4	99 – 100	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Full text of H-statements: see section 16

### 3.2. Mixture

Not applicable

\*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. Give oxygen or artificial respiration if necessary. Call a POISON CENTER/doctor/physician if you feel unwell.

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

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice and attention.

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

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

**General:** May cause drowsiness and dizziness. Causes serious eye irritation.

**Inhalation:** High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.

**Skin Contact:** Prolonged exposure may cause skin irritation.

**Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

**Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** None known.

### 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.

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## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

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

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

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

**Fire Hazard:** Highly flammable liquid and vapor. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may travel to source of ignition and flash back. Fire may produce irritating and/or toxic gases.

**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:** 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. Use water spray or fog for cooling exposed containers. Keep upwind.

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

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). Unidentified organic compounds.

### 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:** Avoid breathing (vapor, mist, spray). Avoid all contact with skin, eyes, or clothing. 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:** Eliminate ignition sources first, then ventilate the area. 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.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters.

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

**For Containment:** 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. Remove ignition sources. Do not touch or walk on the spilled product. Stop leak, if possible without risk. Ventilate area. 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. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-sparking tools. Absorb and/or contain spill with inert material. 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.

**Precautions for Safe Handling:** 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. Avoid breathing vapors, mist, spray. Take precautionary measures against static discharge. Use only non-sparking tools. Keep away from sources of ignition - No smoking.

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

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### 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. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in a dry, cool place. Store locked up/in a secure area. Keep in fireproof place.

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

### 7.3. Specific End Use(s)

Coating applications. 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.

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 <sup>3</sup>
USA OSHA	OSHA PEL (TWA) [2]	250 ppm
USA IDLH	IDLH [ppm]	1800 ppm
Alberta	OEL STEL	832 mg/m <sup>3</sup>
Alberta	OEL STEL [ppm]	200 ppm
Alberta	OEL TWA	416 mg/m <sup>3</sup>
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 <sup>3</sup>
New Brunswick	OEL STEL [ppm]	310 ppm
New Brunswick	OEL TWA	1040 mg/m <sup>3</sup>
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 <sup>3</sup>
Yukon	OEL STEL [ppm]	310 ppm

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Yukon	OEL TWA	950 mg/m <sup>3</sup>
Yukon	OEL TWA [ppm]	250 ppm

### 8.2. Exposure Controls

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

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



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

**Hand Protection:** Wear protective gloves.

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

**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 and colorless
Odor	: Fruity
Odor Threshold	: 30 ppm
pH	: No data available
Evaporation Rate	: 5 (butyl acetate=1)
Melting Point	: -100 °F (-73.33 °C)
Freezing Point	: No data available
Boiling Point	: 192 °F (88.89 °C) (initial)
Flash Point	: 35 °F (1.67 °C) [Closed Cup]
Auto-ignition Temperature	: 860 °F (460 °C) (minimum)
Decomposition Temperature	: No data available
Flammability (solid, gas)	: Not applicable
Lower Flammable Limit	: 1.8 % at 100 °F (37 °C)
Upper Flammable Limit	: 7.8 %
Vapor Pressure	: 48 mm Hg at 68 °F (20 °C) (maximum)
Relative Vapor Density at 20°C	: 3.5 (air=1) (approximately)
Relative Density	: No data available
Density	: 7.3 lb/gal (870 g/L)
Specific Gravity	: 0.87 (water=1)
Solubility	: Slight.
Partition Coefficient: N-Octanol/Water	: 1.03
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.

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### 10.3. Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

### 10.4. Conditions to Avoid:

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

### 10.5. Incompatible Materials:

Strong acids, strong bases, strong oxidizers.

### 10.6. Hazardous Decomposition Products:

Thermal decomposition may produce: Carbon oxides (CO, CO<sub>2</sub>). 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 irritation.

**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:** Not classified

**Symptoms/Injuries After Inhalation:** High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.

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

**Symptoms/Injuries After Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

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

**Chronic Symptoms:** None known.

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

#### LD50 and LC50 Data:

Isopropyl acetate (108-21-4)	
LD50 Oral Rat	3000 mg/kg
LD50 Dermal Rabbit	> 17436 mg/kg
LC50 Inhalation Rat	50600 mg/m <sup>3</sup> (Exposure time: 8 h)

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecology - General:** Not classified.

### 12.2. Persistence and Degradability

SAFETY-KLEEN ISOPROPYL ACETATE	
Persistence and Degradability	Not established.

### 12.3. Bioaccumulative Potential

SAFETY-KLEEN ISOPROPYL ACETATE	
Bioaccumulative Potential	Not established.

Isopropyl acetate (108-21-4)	
Partition coefficient n-octanol/water (Log Pow)	1.03 (at 20 °C (at pH 7)

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## 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.

## 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** : ISOPROPYL ACETATE  
**Hazard Class** : 3  
**Identification Number** : UN1220  
**Label Codes** : 3  
**Packing Group** : II  
**ERG Number** : 129



### 14.2. In Accordance with IMDG

**Proper Shipping Name** : ISOPROPYL ACETATE  
**Hazard Class** : 3  
**Identification Number** : UN1220  
**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** : ISOPROPYL ACETATE  
**Hazard Class** : 3  
**Identification Number** : UN1220  
**Label Codes** : 3  
**Packing Group** : II  
**ERG Code (IATA)** : 3L



### 14.4. In Accordance with TDG

**Proper Shipping Name** : ISOPROPYL ACETATE  
**Hazard Class** : 3  
**Identification Number** : UN1220  
**Label Codes** : 3  
**Packing Group** : II



## SECTION 15: REGULATORY INFORMATION

### 15.1. US Federal Regulations

SAFETY-KLEEN ISOPROPYL ACETATE	
SARA Section 311/312 Hazard Classes	Health hazard - Specific target organ toxicity (single or repeated exposure) Physical hazard - Flammable (gases, aerosols, liquids, or solids) Health hazard - Serious eye damage or eye irritation
Isopropyl acetate (108-21-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	

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### 15.2. US State Regulations

#### 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

### 15.3. Canadian Regulations

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

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 : 11/07/2022

#### Revision

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.

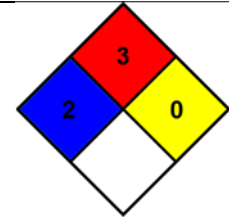
#### GHS Full Text Phrases:

H225	Highly flammable liquid and vapor
H319	Causes serious eye irritation
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.*

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