



## Safety Data Sheet

Material Name: SAFETY-KLEEN ISOPROPYL ACETATE

SDS ID: 82609

### \*\*\* Section 1 - Identification \*\*\*

**Product Identifier**

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

**Recommended Use**

Coating applications. If this product is used in combination with other products, refer to the Material Safety Data Sheet for those products.

**Restrictions on Use**

None known.

**Manufacturer Information**

Safety-Kleen Systems, Inc.  
2600 North Central Expressway  
Suite 200  
Richardson, TX 75080

Phone: 1-800-669-5740

Emergency # 1-800-468-1760

**Issue Date**

August 15, 2018

**Supersedes Issue Date**

January 9, 2014

**Original Issue Date**

September 30, 1993

### \*\*\* Section 2 - Hazard(s) Identification \*\*\*

**Classification in Accordance with 29 CFR 1910.1200.**

Flammable Liquids, Category 2  
Skin Corrosion / Irritation, Category 2  
Eye Damage / Irritation, Category 2A  
Specific Target Organ Toxicity - Single Exposure, Category 3

**GHS LABEL ELEMENTS****Symbol(s)****Signal Word**

DANGER!

**Hazard Statement(s)**

Highly flammable liquid and vapor  
Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation. May cause drowsiness or dizziness.

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## Precautionary Statement(s)

### Prevention

Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing vapor or mist. Wear protective gloves and eye/face protection. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area.

### Response

In case of fire: Use dry chemical, carbon dioxide, alcohol-resistant foam or water spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. 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/attention.

### Storage

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

### Disposal

Dispose of in accordance with all applicable federal, state and local regulations.

### Hazard(s) Not Otherwise Classified

None known.

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

CAS	Component	Percent
108-21-4	Isopropyl acetate	99-100

## \*\*\* Section 4 - First Aid Measures \*\*\*

### Description of Necessary Measures

#### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

#### Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

#### Eyes

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/attention.

#### Ingestion

IF SWALLOWED: Do NOT induce vomiting. If vomiting occurs, keep head lower than hips to help prevent aspiration. Call a poison control center or doctor immediately for treatment advice.

### Most Important Symptoms/Effects

#### Acute

Skin irritation, severe eye irritation, respiratory tract irritation, central nervous system depression

#### Delayed

Respiratory system damage

### Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

IF exposed: Call a POISON CENTER or doctor/physician. Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident. Call 1-800-468-1760 for additional information.

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## \*\*\* Section 5 - Fire-Fighting Measures \*\*\*

### Suitable Extinguishing Media

Dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

### Unsuitable Extinguishing Media

Do not use high-pressure water streams.

### Specific Hazards Arising from the Chemical

Avoid friction, static electricity and sparks. Product may be sensitive to static discharge, which could result in fire or explosion. Vapors may form explosive mixture with air. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back. Vapors may cause drowsiness and dizziness. Fire may produce irritating, poisonous and/or corrosive fumes. Runoff may create fire or explosion hazard. Containers may rupture or explode. Empty containers may contain product residue.

### Hazardous Combustion Products

Decomposition and combustion materials may be toxic., Burning may produce carbon monoxide and other unidentified organic compounds.

### Special Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

### Fire Fighting Measures

Keep storage containers cool with water spray. Move container from fire area if it can be done without risk. Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Stay away from the ends of tanks. For fires in cargo or storage area: Cool containers with water spray until well after the fire is out. Keep unnecessary people away, isolate hazard area and deny entry. Let the fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. For tank, rail car or tank truck: Evacuation radius: 800 meters (1/2 mile). Stay upwind and keep out of low areas. Dike for later disposal.

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

### Methods and Materials for Containment and Clean Up

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in **Section 8, Exposure Control/Personal Protection**. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, sparkproof tool into a sealable container for disposal. Additionally, for large spills: Water spray may reduce vapor, but may not prevent ignition in closed spaces. Dike far ahead of liquid spill for collection and later disposal.

There may be specific federal regulatory reporting requirements associated with spills, leaks, or releases of this product. Also see **Section 15, Regulatory Information**.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Precautions for Safe Handling

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

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## Conditions for Safe Storage, Including Any Incompatibilities

Store in a well-ventilated place. Keep containers away from heat, flame, sparks, static electricity, or other sources of ignition. Keep container tightly closed. Keep cool. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Empty product containers may retain product residue and can be dangerous. Store in a well-ventilated place. Store locked up. See **Section 14:** Transportation Information for Packing Group information.

## Incompatibilities

Acids, bases, oxidizing materials, combustible materials, reducing agents, nitrates

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

## Component Exposure Limits

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

Isopropyl acetate	108-21-4
ACGIH:	100 ppm TWA
	150 ppm STEL
NIOSH:	1800 ppm IDLH
OSHA (US):	250 ppm TWA ; 950 mg/m <sup>3</sup> TWA
Mexico:	250 ppm TWA VLE-PPT ; 950 mg/m <sup>3</sup> TWA VLE-PPT
	310 ppm STEL [PPT-CT ] ; 1185 mg/m <sup>3</sup> STEL [PPT-CT ]

## Appropriate Engineering Controls

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

## Individual Protective Measures, such as Personal Protective Equipment

### Eyes/Face Protection

Safety glasses with side shields should be worn at a minimum. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Contact lens use is not recommended.

### Skin Protection

Where skin contact is likely, wear neoprene, nitrile, or equivalent protective gloves; use of natural rubber or equivalent gloves is not recommended. To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, whole body suits, or other protective clothing.

### Respiratory Protection

Use NIOSH-certified P- or R- series particulate filter and organic vapor cartridges when concentration of vapor or mist exceeds applicable exposure limits. Protection provided by air purifying respirators is limited. Do not use N-rated respirators. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.

### Protective Materials

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: Safety glasses, Gloves, and Lab coat or apron.

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

<b>Appearance/Odor :</b> Liquid, clear and colorless, fruit-like odor.	<b>pH:</b> Not applicable
<b>Boiling Point:</b> 192°F (89°C) (initial)	<b>Odor Threshold:</b> 30 ppm
<b>Solubility (H2O):</b> Slight	<b>Melting Point:</b> -100°F (-73°C)
<b>Density:</b> 7.3 LB/US gal (870g/l)	<b>Specific Gravity:</b> 0.87 (water = 1)
<b>Evaporation Rate:</b> 5 (butyl acetate = 1)	<b>Octanol/H2O Coeff.:</b> Log Pow = 1.03
<b>LFL:</b> 1.8 VOL% at 100°F (37°C)	<b>Auto Ignition Temperature:</b> 860°F (460°C) (minimum )
<b>UFL:</b> 7.8 VOL%	<b>Flash Point:</b> 35°F (2°C) Closed Cup
<b>Vapor Pressure:</b> 48 mmHg at 68°F (20°C) (maximum)	<b>Viscosity:</b> Not available
	<b>Vapor Density:</b> 3.5 (air = 1) (approximately)

### Other Property Information

No information is available.

## \*\*\* Section 10 - Stability & Reactivity \*\*\*

### Reactivity

No reactivity hazard is expected.

### Chemical Stability

Stable under normal temperatures and pressures.

### Possibility of Hazardous Reactions

Will not polymerize under normal temperature and pressure conditions.

### Conditions To Avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

### Incompatible Materials

Avoid acids, alkalis, oxidizing agents or reducing agents. Nitrates may cause an explosion.

### Hazardous Decomposition Products

Burning may produce carbon monoxide and unidentified organic compounds., See also **Section 5, Hazardous Combustion Products.**

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Toxicity Data and Information

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

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

Oral LD50 Rat 3000 mg/kg

Dermal LD50 Rabbit >17436 mg/kg

Inhalation LC50 Rat 50600 mg/m<sup>3</sup> 8 h

#### Information on Likely Routes of Exposure

##### Inhalation

May cause irritation, nausea, loss of appetite, drowsiness, dizziness, disorientation, tremors, lung damage (from aspiration), convulsions, and coma.

##### Ingestion

No information on significant adverse effects.

##### Skin Contact

Causes skin irritation

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## Eye Contact

Causes serious eye irritation

## Immediate Effects

Skin irritation, severe eye irritation, respiratory tract irritation, central nervous system depression

## Delayed Effects

No information on significant adverse effects.

## Irritation/Corrosivity

Skin irritation, severe eye irritation, respiratory tract irritation

## Respiratory Sensitization

No information available for the product.

## Skin Sensitization

No information available for the product.

## Carcinogenicity

### Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

### Germ Cell Mutagenicity

No information available for the product.

### Teratogenicity

No information available for the product.

### Reproductive Effects

No information available for the product.

### Specific Target Organ Effects - Single Exposure

Central nervous system, respiratory tract irritation

### Specific Target Organ Effects - Repeated Exposure

No target organs identified.

### Aspiration Hazard

No information available for the product.

### Medical Conditions Aggravated by Exposure

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

* * * Section 12 - Ecological Information * * *
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### Ecotoxicity

No information available for the product.

### Component Analysis - Ecotoxicity - Aquatic Toxicity

Not available.

### Persistence and Degradability

No information available for the product.

### Bioaccumulation Potential

No information available for the product.

### Mobility in Soil

No information available for the product.

### Other Adverse Effects

No additional information is available.

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## \*\*\* Section 13 - Disposal Considerations \*\*\*

### Disposal Methods

D001. Based on available data, this information applies to the product as supplied to the user. Processing, use, or contamination by the user may change the waste code applicable to the disposal of this product. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal. Dispose in accordance with federal, state, provincial, and local regulations.

## \*\*\* Section 14 - Transport Information \*\*\*

### US DOT Information:

**Shipping Name:** ISOPROPYL ACETATE

**Hazard Class:** 3

**UN/NA #:** UN1220

**Packing Group:** II

**Required Label(s):** 3

### IATA Information:

**Shipping Name:** ISOPROPYL ACETATE

**Hazard Class:** 3

**UN#:** UN1220

**Packing Group:** II

**Required Label(s):** 3

### IMDG Information:

**Shipping Name:** ISOPROPYL ACETATE

**Hazard Class:** 3

**UN#:** UN1220

**Packing Group:** II

**Required Label(s):** 3

### TDG Information:

**Shipping Name:** ISOPROPYL ACETATE

**Hazard Class:** 3

**UN#:** UN1220

**Packing Group:** II

**Required Label(s):** 3

### International Bulk Chemical Code

This material contains one or more of the following chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

Isopropyl acetate	108-21-4
IBC Code:	Category Z

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## \*\*\* Section 15 - Regulatory Information \*\*\*

**VOC (As Regulated)**

100 WT%; 7.3 LB/US gal; 870 g/l; As per 40 CFR Part 51.100(s)

**U.S. Federal Regulations**

None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

**SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting categories**

Flammable; Skin Corrosion/Irritation; Serious Eye Damage/Eye Irritation; Specific Target Organ Toxicity

**U.S. State Regulations**

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

Component	CAS	CA	MA	MN	NJ	PA
<b>Isopropyl acetate</b>	<b>108-21-4</b>	Yes	Yes	Yes	Yes	Yes

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)**

Not listed under California Proposition 65.

**Canada Regulations**

**Canadian WHMIS Ingredient Disclosure List (IDL)**

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

<b>Isopropyl acetate</b>	<b>108-21-4</b>
	1 %

**WHMIS Classification**

B2.

**Component Analysis - Inventory**

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

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes

## \*\*\* Section 16 - Other Information \*\*\*

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

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

**Revision Information**

2018-08-15: Regulatory review and update.



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## Key/Legend

ACGIH - American Conference of Governmental Industrial Hygienists; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

## Disclaimer

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