

Safety Data Sheet
99% Isopropyl Alcohol (V000007)

December 27, 2018

Section 1: Chemical Product and Company Identification

Product name: 99% Isopropyl Alcohol
Contact Info: Bramble Berry Inc.
2138 Humboldt Street
Bellingham, WA 98225
info@brambleberry.com
www.brambleberry.com
1-877-627-7883

Emergency Phone Number: Within USA & Canada: 1.800.424.9300 CCN693143
Outside USA & Canada: +1.703.527.3887 (collect calls accepted)

Section 2: Hazards Identification

Classification

Acute Toxicity – Oral – Category 4
Serious eye damage/eye irritation – Category 2A
Specific target organ toxicity (single exposure) – Category 3
Flammable liquids – Category 2

Label Elements

Signal Word: Danger

Hazard statements

Harmful if swallowed
Causes serious eye irritation
May cause drowsiness or dizziness
Highly flammable liquid and vapor



Appearance: Clear, colorless
Odor: Alcohol

Physical State @20°C: Water-thin liquid



Precautionary Statements

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves/eye protection/face protection
Use only outdoors or in a well-ventilated area
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Use explosion-proof electrical/ventilating/lighting/equipment
Keep cool

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 attention

IF ON SKIN: Take off contaminated clothing and wash it before reuse

Rinse skin with water/shower

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Call a POISON CENTER or doctor/physician if you feel unwell

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

IN CASE OF FIRE: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements-Storage

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

Precautionary Statements-Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

May be harmful if swallowed

May be harmful in contact with skin

May be harmful if inhaled

Unknown acute toxicity

99% of this mixture consists of ingredient(s) of unknown toxicity.

Section 3: Composition/Information on Ingredients

Chemical Name	CAS#	Weight %
Isopropyl Alcohol 99% by volume	67-63-0	50-100
Water	7732-18-5	0-10

Section 4: First Aid Measures

General Advice: Show this safety data sheet to the doctor in attendance.

Inhalation:

Remove to fresh air. If exposed or concerned, get medical advice/attention

Skin Contact:

Wash off immediately with soap and plenty of water while removing contaminated clothes and shoes.

Eye Contact:

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Keep eyes wide open while rinsing. Do not rub affected area. Remove contact lenses if present and easy to do so. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion:

Do NOT induce vomiting. Clean mouth with water and drink plenty of water afterwards. Never give anything by mouth to an unconscious person. Call a physician.

Self-protection of the first aider: Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing.

Symptoms: Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Notes to physicians:

Treat symptomatically

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:

Dry chemical, Carbon dioxide (CO₂), water spray, alcohol resistant foam.

Unsuitable Extinguishing Media:

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical:

Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Hazardous combustion products: Carbon oxides.

Explosion data

Sensitivity to mechanical impact: None

Sensitivity to static discharge: Yes

Special protective equipment for fire-fighters:

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: Accidental Release Measures

Personal precautions:

Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other information: Ventilate the area. Refer to protective measures listed in sections 7 and 8.

Methods for containment:

Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches, and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up:

Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Section 7: Handling and Storage

Advice on safe handling:

Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire, or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in area equipped with sprinklers. Use according with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage conditions:

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, fame and other sources of ignition (i.e. pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with local regulations. Keep out of reach of children.

Section 8: Exposure Controls/Personal Protection

Exposure limits:

There is no exposure data pertaining to this product. This section reflects exposure data pertaining to individual ingredients.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol 99% by volume 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m3 (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m3 (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m3	IDLH: 2000 ppm 10% LEL TWA: 980 mg/m3 TWA: 400 ppm STEL: 500 ppm STEL: 1225 mg/m3

Chemical name	Alberta	British Columbia	Ontario TWAEV	Quebec
Isopropyl Alcohol 99% by volume 67-63-0	TWA: 200 ppm TWA: 492 mg/m ³ STEL: 400 ppm STEL: 984 mg/m ³	TWA: 200 ppm STEL: 400 ppm	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm TWA: 985 mg/m ³ STEL: 500 ppm STEL: 1230 mg/m ³

Other exposure guidelines: Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters.

Engineering controls:

Showers
Eyewash stations
Ventilation systems

Respiratory protection:

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Skin and body protection:

Wear suitable protective clothing, long sleeved clothing, chemical resistant apron, and antistatic boots.

Hand protection:

Wear suitable gloves. Impervious gloves.

Eye/face protection:

Tight sealing safety goggles.

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area, and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

Section 9: Physical and Chemical Properties

Appearance: Clear, colorless liquid

Physical State @20°C: Water-thin Liquid

Color: Colorless

Odor: Alcohol

Odor Threshold: No information available

Specific Gravity: No data available

Refractive Index: No data available

pH: Unknown

Melting/Freeze Point: No data available

Boiling Point: No data available

Flash Point: 10°C/50°F

Evaporation rate: No data available

Flammability (solid, gas): No data available

Flammability limit in air

Upper flammability limit: No data available

Lower flammability limit: No data available

Vapor pressure: No data available

Vapor density: No data available

Relative density: 0.78

Water solubility: No data available

Solubility in other solvents: No data available

Partition coefficient: 0

Autoignition temperature: No data available

Decomposition temperature: No data available

Kinematic viscosity: No data available

Dynamic viscosity: No data available

Explosive viscosity: No information available

Oxidizing properties: No information available

Softening point: No information available

Molecular weight: No information available

VOC content (%): No information available

Density value: No information available

Bulk density: No information available

Section 10: Stability and Reactivity

Reactivity:

No information available.

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

None under normal processing.

Hazardous Polymerization:

Hazardous polymerization does not occur.

Conditions to Avoid:

Heat, flames, sparks.

Incompatible materials:

None known.

Hazardous Decomposition Products:

Carbon oxides.

Section 11: Toxicological Information

There is no data available for this product. The information included in this section describes the potential hazards of the individual ingredients.

Inhalation:

Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness.

Skin Contact:

Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.

Eye Contact:

Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components.) May cause redness, itching, and pain.

Ingestion:

Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. (based on components.)

Symptoms:

May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Acute toxicity:

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral): 1,889.00 mg/kg

ATEmix (dermal): 4,100.00 mg/kg

ATEmix (inhalation-dust/mist): 73.30 mg/L

Unknown acute toxicity: 99 % of the mixture consists of ingredient(s) of unknown toxicity.

Component information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol 99% by volume	=1870 mg/kg (Rat)	=4059 mg/kg (Rabbit)	=72600 mg/m ³ (Rat) 4h
Water	>90 mL/kg (Rat)	-	-

Skin corrosion/irritation:

May cause skin irritation

Serious eye damage/eye irritation:

Classification based on data available for ingredients. Irritating to eyes.

Respiratory or skin sensitization:

No information available.

Germ cell mutagenicity:

No information available.

Carcinogenicity:

No information available.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol 99% by volume 67-63-0	-	Group 3 – Not classifiable as to carcinogenicity in humans	-	X - Present

Reproductive toxicity:

No information available



STOT- single exposure:

May cause drowsiness or dizziness

STOT- repeated exposure:

No information available

Aspiration hazard:

No information available

Section 12: Ecological Information

Ecotoxicity:

The environmental impact of this product has not been fully investigated.

Persistence and degradability:

No information available

Bioaccumulation:

There is no data for this product

Other adverse effects:

No information available

Section 13: Disposal Conditions

Waste from residues/unused products:

Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging:

Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

US EPA Waste Number: D001

California Waste Codes: 331

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Section 14: Transport Information

DOT

Proper Shipping Name: CONSUMER COMMODITY

Hazard Class: ORM-D

Description: CONSUMER COMMODITY, ORM-D

Emergency Response Guide Number: 129

TDG

UN-No.: UN1219

Proper Shipping Name: ISOPROPANOL SOLUTION

Hazard Class: 3

Packing Group: II
Description: UN1219, ISOPROPANOL SOLUTION, 3, II

MEX
UN-No.: UN1219
Proper Shipping Name: ISOPROPANOL SOLUTION
Hazard Class: 3
Packing Group: II
Description: UN1219, ISOPROPANOL SOLUTION, 3, II

ICAO
UN-No.: UN1219
Proper Shipping Name: ISOPROPANOL SOLUTION
Hazard Class: 3
Packing Group: II
Description: UN1219, ISOPROPANOL SOLUTION, 3, II

IATA
UN-No.: UN1219
Proper Shipping Name: ISOPROPANOL SOLUTION
Hazard Class: 3
Packing Group: II
ERG Code: 3L
Description: UN1219, ISOPROPANOL SOLUTION, 3, II

IMDG/IMO
UN-No.: UN1219
Proper Shipping Name: ISOPROPANOL SOLUTION
Hazard Class: 3
Packing Group: II
EmS-No.: F-E, S-D
Description: UN1219, ISOPROPANOL SOLUTION, 3, II, (10°C C.C.)

RID
UN-No.: UN1219
Proper Shipping Name: ISOPROPANOL SOLUTION
Hazard Class: 3
Packing Group: II
Classification code: F1
Description: UN1219, ISOPROPANOL SOLUTION, 3, II
ADR/RID-Labels: 3

ADR
UN-No.: UN1219
Proper Shipping Name: ISOPROPANOL SOLUTION
Hazard Class: 3
Packing Group: II
Classification code: F1



Tunnel restriction code: (D/E)
Description: UN1219, ISOPROPANOL SOLUTION, 3, II, (D/E)

ADN
UN-No: UN1219
Proper Shipping Name: ISOPROPANOL SOLUTION
Hazard Class: 3
Packing Group: II
Classification code: F1
Special Provisions: 601
Description: UN1219, ISOPROPANOL SOLUTION, 3, II
Hazard Labels: 3
Limited Quantity: 1 L
Ventilation: VE01

Section 15: Regulatory Information

International Inventories

TSCA: Contact supplier for inventory compliance status.
DSL/NDSL: Contact supplier for inventory compliance status.
EINECS/ELINCS: Contact supplier for inventory compliance status.
ENCS: Contact supplier for inventory compliance status.
IECSC: Contact supplier for inventory compliance status.
KECL: Contact supplier for inventory compliance status.
PICCS: Contact supplier for inventory compliance status.
NZIoC: Contact supplier for inventory compliance status.
AICS: Contact supplier for inventory compliance status.
TCSI: Contact supplier for inventory compliance status.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
NZIoC - New Zealand Inventory of Chemicals
AICS - Australian Inventory of Chemical Substances
TCSI - Taiwan Chemical Substance Inventory

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.



Isopropyl Alcohol 99% by volume 67-63-0 50-100% SARA 313 Threshold value:
1.0%

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-know regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Isopropyl Alcohol 99% by volume 67-63-0	X	X	X	X	

Section 16: Other Information

NFPA

Health hazards: 2

Flammability: 3

Instability: 0

Physical and chemical properties: -

HMIS

Health hazards: 2

Flammability: 3

Physical hazards: 0

Personal protection: X

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