

SAFETY DATA SHEET
in accordance with OSHA HCS 29 CFR 1910.1200

Revision date: 04.10.20

Revision 1.0

Section 1	Chemical Product and Company Information	
Product Identifier:	Hand Sanitizer	
Other means of identification:	None.	
Recommended use of chemical:	For sanitizing hands when soap and water are not available.	
Restrictions on Use:	For topical use only	
Manufacturer Information:	Circadia by Dr. Pugliese, ,Inc.	
Phone: (717) 933-2065	1025 James Drive	
Fax: (717) 933-2417	Leesport, PA 19553	
	www.circadia.com	
Emergency Number:	(717) 933-2065 (M-F, 9am to 5pm)	
Section 2	Hazard(s) Information	
CLASSIFICATION		
Hazard Class	Hazard Category	
Flammable	2	
Serious Eye Damage/Eye Irritation	2A	
Hazards Not Otherwise Classified (HNOC)	None	
GHS Labeling		
Signal Word	Warning	
Symbols		
Hazard Statements	Causes serious eye damage. Highly flammable liquid and vapor May cause drowsiness or dizziness	
Precautionary Statements		
Prevention	Wear protective gloves and protective clothing. Avoid breathing mist/vapors/gas/spray. Wash hands thoroughly after handling. Wear eye protection/face protection.	
Response	IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists. IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.	
Storage	Store in well ventilated place. Keep container tightly closed.	
Disposal	Dispose of containers in accordance with local/regional/national regulations.	
Section 3	Composition/Information on Ingredients	
Chemical Name	CAS	%
Isopropyl alcohol	67-63-0	75 - 76
Section 4	First Aid Measures	
Indication of necessary first aid measures		
Inhalation	Move to fresh air.	
Eyes	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a doctor. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.	
Skin		
Ingestion:	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.	
Most important Symptoms/Effects		
Hand Sanitizer	Circadia by Dr. Pugliese, Inc.	

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Acute

Irritating to eye, serious risk of eye damage.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically and supportively.

Section 5 Fire Fighting Measures

Extinguishing Media

Suitable Extinguishing Media

Recommended extinguishing media; alcohol resistant foam, CO₂, water fog.

Unsuitable Extinguishing Media

Do not use water jet as this will spread the fire.

Burning may produce carbon monoxide and carbon dioxide contamination. Keep away from heat / sparks / open flames / hot surfaces - No smoking. Avoid breathing dust / fume / gas / mist / vapors / spray.

Specific Hazards Arising from the Chemical

Protective Equipment and Precautions for Firefighters

Wear protective clothing and breathing equipment. Dilution of burning liquid with water will affect extinguishment

Section 6 Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures

Put on appropriate personal protective equipment (see section 8).

Methods for Containment and Clean-Up

Small Spill

Wipe up with paper towel or cloth and dispose of properly.

Large Spill

Eliminate all sources of ignition. Small spills should be flushed with large quantities of water, larger spills should be collected for disposal.

Section 7 Safe Handling and Storage

Precautions for safe handling

Do NOT take internally. Flammable liquid. Keep away from heat, sparks and open flames. Keep container closed. See section 2 for further details.

Conditions for safe storage, including incompatibilities

Keep tightly closed. Do not store near sources of ignition or heat.

Section 8 Exposure Controls/Personal Protection

Component Exposure Limits

Chemical	Limit	Type
Isopropyl alcohol	TWA 400 ppm (980 mg/m ³) STEL 500 ppm	OSHA
Data based on 70% IPA	TWA: 200 ppm STEL: 400 ppm Revised 2003	ACGIH
	TWA 400 ppm (980 mg/m ³) ST 500 ppm (1225 mg/m ³)	NIOSH

Appropriate Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Personal Protective Equipment: Eyes/Face

Protective goggles if desired.

Personal Protective Equipment: skin

Rubber or vinyl gloves if desired.

Personal Protective Equipment: respiratory

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators

General Hygiene measures.

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

Section 9 Physical & Chemical Properties

Appearance:

Liquid

Odor: Alcohol

pH:

No data available

UFL: No data available

Melting Point/Freezing Point:

No data available

Boiling Point: 180.82°F (estimated, based on IPA)

Flash Point:

59°F - 77°F Based on flashpoints of IPA 70% & 99%. This product is 75% IPA.

Vapor Pressure:

No data available

UFL: No data available

Vapor Density:

No data available

Octanol/H₂O Coeff: No data available

Relative Density:

No data available

Decomposition Temp: No data available

Density:

0.87g/mL

Molecular Weight: No data available

Auto Ignition:

No data available

Flammability: No data available

Kinematic Viscosity:

No data available

VOC:

75% estimated

Section 10 Chemical Stability & Reactivity Information

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Reactivity	No data available
Chemical Stability	Stable at normal conditions.
Possibility of Hazardous Reactions	
Conditions to Avoid	Avoid contact with strong oxidizers.
Incompatible Materials	Strong oxidizers.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors.

Section 11 Toxicological Information

Routes of Exposure Eyes, skin, ingestion, inhalation

Acute Toxicity Product not tested; data based on isopropyl alcohol

Oral LD50, mg/kg 4.7/g/kg rat - Category 5

Skin LD50, mg/kg 12,800.00, Rat - Category: NA

Inhalation Vapor LD50, mg/L/4hr 72.60, Rat - Category: NA

Not expected when used as directed. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis

Skin Corrosion/Irritation

Serious Eye Damage/Eye Irritation

Sensitization

Germ Cell Mutagenicity

Carcinogenicity

Reproductive/Developmental Toxicity

Specific Target Organ Toxicity-Single Exposure

Specific Target Organ Toxicity -Repeat Exposure No data available.

Aspiration Hazard No data available.

Section 12 Ecological Information

Ecotoxicity No data available.

Section 13 Disposal Considerations

Disposal Instructions Dispose of according to local/regional/national regulations.

Section 14 Transport Information

DOT, ADR, IMDG, IATA

UN number UN1219

UN proper shipping name Isopropanol

Class 3

Packing group II

ERG number 129

Section 15 Regulatory Information

The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

California Proposition 65:

No chemicals at levels which require reporting under this statute.

Section 16 Other Information

Revision Date 10-Apr-20

Disclaimer: The information on this SDS is correct to the best of our knowledge and information at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid used in combination with any other material, unless specified in the SDS. Circadia by Dr Pugliese assumes no responsibility for use of this product that is not in accordance with the specified use.