

# SAFETY DATA SHEET

## IPA 99

Date of Issue: 21 December 2020

### SECTION 1. IDENTIFICATION

#### 1.1 Identifier

Product Brand name: IPA 99  
Product Description: Isopropyl Alcohol 99%  
Product Code: 200791

#### 1.2 Recommended Use & Restriction of Use:

Intended use: First aid to help prevent the risk of infection in: minor cuts, scrapes, burns. For external use only.

Cleaning and sanitizing.

Application Method: Clean the affected area. Apply 1 to 3 times daily.

#### 1.2 Details of the supplier of the safety data sheet

##### Tidol Corporation

146 Shorting Road, Scarborough ON M1S 3S6, Canada  
Tel: 416-293-2244 / 1-800 881-8672 Fax: 416-293-5808  
Email: info@tidolcorp.com

#### 1.3 Emergency Telephone Number

Vendor 1-800-881-8672 or 416-293-2244 - 24hrs

### SECTION 2. HAZARD IDENTIFICATION

#### 2.1 Classification of the substance or Mixture

Flam. Liq. 3;H226 Flammable liquid and vapor.  
Eye Irrit. 2;H319 Causes serious eye irritation.  
STOT SE 3;H336 May cause drowsiness or dizziness.

#### 2.2 Label elements



**Signal Word** Warning

#### Hazard Statements

H226 Flammable liquid and vapor.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness and dizziness.

#### Precautionary Statements

##### Prevention

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.  
P235 Keep cool.  
P240 Ground / bond container and receiving equipment.  
P241 Use explosion-proof electrical / ventilating / light / equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves / eye protection / face protection

**Response**

- P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
- P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
- P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
- P337+313 If eye irritation persists: Get medical advice / attention.
- P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

**2.3. Supplemental label elements:** Mix only with water, do not mix with any other product or chemicals.

**Storage**

- P403+233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.

**Disposal**

- P501 Dispose of contents / container in accordance with local / national regulations.

**Other hazards**

**Potential Acute Health effects:**

Not Applicable

**2.4 Unknown Acute Toxicity**

No information available

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances**

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

**3.2 Mixtures**

COMPONENT	CAS #	CONCENTRATIONS W/W
Isopropyl Alcohol	67-63-0	99%

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

**SECTION 4. FIRST AID MEASURES**

**4.1 Description of first aid measures**

**General advice**

In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.

**If inhaled**

If inhaled, remove to fresh air. If symptoms persist, call a physician.

**In case of skin contact**

None required under normal conditions.

**In case of eye contact**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Seek medical advice.

**If swallowed**

If swallowed, DO NOT induce vomiting. Rinse mouth with water. Obtain medical attention.

## 4.2 Most important symptoms and effects, both acute and delayed

### Overview

Signs and Symptoms of Exposure: Giddiness, headache, dizziness and nausea.

Medical Conditions Generally Aggravated by Exposure: Pre-existing and respiratory disorders, may be aggravated by exposure.

Health Hazards (Acute and Chronic): Generally used as a rubdown. Vapor irritates eyes. High concentration of vapor can irritate respiratory tract, is anesthetic and may cause CNS depression.

Not a carcinogen.

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

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. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.

### Inhalation

May cause drowsiness or dizziness.

### Eyes

Causes serious eye irritation.

## 4.3 Indication of any immediate medical attention and special treatment needed.

No information Available.

## SECTION 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media:

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, water fog.

#### Unsuitable extinguishing media:

High volume water jet.

### 5.2

### Special hazards arising from the

#### substance or mixture

Hazardous decomposition: 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.

### 5.1 Special precautions for firefighters

Fire Hazard

Keep away from heat and sources of ignition. Flash back possible over considerable distance.

Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### 5.2 Special protective equipment for firefighters

Fire fighters should wear full protective gear including self contained breathing apparatus with full face shield operated in positive pressure mode.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

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

### 6.2. Environmental precautions

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.3. Methods and material for containment and cleaning up

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

Atomize into an incinerator where permitted under appropriate federal, state, and local regulations.

## SECTION 7. HANDLING AND STORAGE

### 7.1. 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. - [Prevention]:

### 7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Naked flames and smoking should not be permitted in storage areas. It is recommended that fork lift trucks and electrical equipment are protected to the appropriate standard.

Incompatible materials: Anyhydride, isocyanate, monomer and organo-metallic.

See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s) No data available.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

CAS No.	Ingredient	Exposure	
		Source	Value
0000067-63-0	Isopropyl Alcohol	OSHA	TWA 400 ppm (980 mg/m <sup>3</sup> ) STEL 500 ppm
		ACGIH	TWA: 200 ppm STEL: 400 ppm Revised 2003,
		NIOSH	TWA 400 ppm (980 mg/m <sup>3</sup> ) ST 500 ppm (1225 mg/m <sup>3</sup> )
		Supplier	No Established Limit

### Carcinogen Data

CAS No.	Ingredient	Source	Value
0000067-63-0	Isopropyl Alcohol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;

### 8.2. Exposure controls

#### Respiratory

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

#### Eyes

Protective goggles if desired.

#### Skin

Rubber or vinyl gloves if desired.

#### 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.

**Other Work Practices** Ensure showers and eyewash stations are available. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties.

<b>Appearance</b>	Colorless Liquid
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	Not Measured
<b>pH</b>	Not Measured
<b>Melting point / freezing point</b>	Not Measured
<b>Initial boiling point and boiling range</b>	87C
<b>Flash Point</b>	77F (TCC)
<b>Evaporation rate (Ether = 1)</b>	2.3 (Butyl Acetate=1)
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit: 2</b> <b>Upper Explosive Limit: 12</b>
<b>Vapor pressure (Pa)</b>	33 mmHg
<b>Vapor Density</b>	2.07 (Air=1)
<b>Specific Gravity</b>	0.88 (H2O=1) @ 25 C
<b>Solubility in Water</b>	Complete
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	Not Measured
<b>% Volatile</b>	100
<b>Isopropyl Alcohol Assay by Volume</b>	99%

## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Avoid heat, sparks and open flame.

### 10.5. Incompatible materials

Anyhydride, isocyanate, monomer and organo-metallic.

### 10.6. Hazardous decomposition products

Burning may produce carbon monoxide and carbon dioxide contamination.

## SECTION 11. TOXICOLOGICAL

### Acute toxicity

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. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
Isopropyl Alcohol - (67-63-0)	4,710.00, Rat - Category: 5	12,800.00, Rat - Category: NA	72.60, Rat - Category: NA	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	3	May cause drowsiness or dizziness.
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Isopropyl Alcohol - (67-63-0)	1,400.00, Lepomis macrochirus	100.00, Daphnia magna	100.00 (72 hr), Scenedesmus subspicatus

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

#### 12.6. Other adverse effects

No data available.

### SECTION 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

### SECTION 14. TRANSPORT

UN Number	1219
UN Proper Shipping Name	Isopropanol, 3
DOT Classification	Hazmat at all levels depending on size of packaging, Excepted or Limited Quantity or Fully Regulated
Packaging Group	PGII
Additional Information	IATA OR IMDG – UN1219, Isopropanol, 3, PG II

### SECTION 15. REGULATORY INFORMATION

<b>Regulatory Overview</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
<b>Toxic Substance Control Act ( TSCA)</b>	All components of this material are either listed or exempt from listing on the TSCA Inventory.
<b>WHMIS Classification</b>	B2 D2B
<b>US EPA Tier II Hazards</b>	<b>Fire:</b> Yes <b>Sudden Release of Pressure:</b> No <b>Reactive:</b> No <b>Immediate (Acute):</b> Yes <b>Delayed (Chronic):</b> No

#### EPCRA 311/312 Chemicals and RQs:

No chemicals at levels which require reporting under this statute.

#### EPCRA 302 Extremely Hazardous:

No chemicals at levels which require reporting under this statute.

#### EPCRA 313 Toxic Chemicals:

Isopropyl Alcohol

#### Proposition 65 - Carcinogens (>0.0%):

No chemicals at levels which require reporting under this statute.

#### Proposition 65 - Developmental Toxins (>0.0%):

No chemicals at levels which require reporting under this statute.

#### Proposition 65 - Female Repro Toxins (>0.0%):

No chemicals at levels which require reporting under this statute.

#### Proposition 65 - Male Repro Toxins (>0.0%):

No chemicals at levels which require reporting under this statute.

#### New Jersey RTK Substances (>1%):

Isopropyl Alcohol

#### Pennsylvania RTK Substances (>1%):

Isopropyl Alcohol

## SECTION 16. OTHER INFORMATION

**Specific Hazard:** N/A

**HMIS Ratings :**

HEALTH	<input type="checkbox"/>
FLAMMABILITY	<input type="checkbox"/>
PHYSICAL HAZARD	<input type="checkbox"/>
PERSONAL PROTECTION	<input type="checkbox"/>

The information on this Safety Data Sheet has been obtained from the Globally Harmonized System of Classification and Labeling of Chemicals, Guidance on the preparation of Safety Data Sheet, Suppliers, Manufacturers, and where applicable, from other reliable sources such as CCOHS, RTECS and worldwide web. However, TIDOL CORPORATION makes no warranties, expressed or implied, as to the accuracy; completeness or adequacy of the information contained herein, and shall not be held liable, regardless of fault, to anyone directly or indirectly for damages or injuries in the use of this product arising out of or in connection with the accuracy, completeness or adequacy of such information. It is the purchaser and the user of the product to evaluate the usefulness of the product and the information inscribed here.

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