

## 1. IDENTIFICATION

### Product Identifier

**Product Name** BISAN PLUS

### Recommended use of the chemical and restrictions on use

**Recommended use** Alcohol based sanitizer

**Restrictions on use** For industrial use only

### Supplier details

West Penetone Inc.  
10900 Secant  
Montréal, QC,  
H1J 1S5  
Tel: 514-355-4660

### Emergency Telephone Number

Canutec: (613)-996-6666

## 2. HAZARDS IDENTIFICATION

### Classification

Flammable liquids	Category 3
Eye damage/Irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3

### Label Elements

#### WARNING

#### Hazard Statements

Flammable liquid and vapor  
Cause serious eye irritation  
May cause drowsiness or dizziness



### Precautionary Statements - Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Avoid breathing mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting, and mixing equipment.

Use only non-sparking tools. Take action to prevent static discharges.

Wash face, hands and any exposed skin thoroughly after handling.

Wear eye protection/face protection.

**Precautionary Statements - Response**

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 (or shower).

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.

In case of fire: Use CO<sub>2</sub>, foam, dry chemical, water fog to extinguish.

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %
Isopropanol	67-63-0	40-60

**4. FIRST AID MEASURES**

**Eye contact** Rinse cautiously with water for several minutes. Call a physician if irritation persists.

**Skin contact** Wash with plenty of water. If skin irritation or rash occurs, get medical advice/attention.

**Inhalation** If difficulties occur after mist/vapors/spray has been inhaled, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**Ingestion** Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

**Most important symptoms and effects, both acute and delayed**

Contact with eyes may cause irritation or discomfort. Inhalation of mist/vapors/spray may cause respiratory tract irritation leading to a temporary burning sensation of the nose and throat, coughing, and difficulty breathing. Ingestion may cause irritation or a burning sensation of the mouth and throat and abdominal pain.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

CO<sub>2</sub>, foam, dry chemical, water fog.

**Unsuitable Extinguishing Media**

Do not use a solid water stream as this may spread the fire.

**Specific hazards arising from the chemical**

During fire, gases hazardous to health may be formed including oxides of carbon, smoke and other irritating gases.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Remove all sources of ignition. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

### Environmental Precautions

Avoid discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

Contain and solidify with inert absorbent material. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

**Handling** Avoid contact with skin, eyes and clothing. Ensure thorough ventilation of work areas.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed away from direct sunlight in a dry, cool and well-ventilated place, away from incompatible materials.

**Incompatible Materials** Strong oxidizing agents

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical Name	ACGIH TLV
Isopropanol 67-63-0	TWA: 200 ppm STEL: 400 ppm

### Appropriate engineering controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

**Eye/face Protection** Safety glasses.

**Skin and body protection** Wear plastic or rubber gloves.

**Respiratory Protection** If exposure limits are exceeded or if ventilation is inadequate, NIOSH/MSHA approved respiratory protection for organic vapors should be worn.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE :**

Clear, colorless liquid

**ODOR**

Alcohol

**ODOR THRESHOLD :**

Not applicable

**pH :**

Not applicable

**MELTING POINT / FREEZING POINT :**

&lt; - 40°C

**BOILING POINT/BOILING RANGE :**

95°C

**FLASH POINT :**

24°C (TCC)

**EVAPORATION RATE, water = 1 :**

&gt; 1

**FLAMMABILITY (SOLID, GAS):**

Not applicable

**VAPOR PRESSURE, mm Hg AT 20°C :**

Not available

**VAPOR DENSITY (Air = 1) :**

Not applicable

**RELATIVE DENSITY AT 20°C:**

0.89

**SOLUBILITY IN WATER :**

Complete

**PARTITION COEFFICIENT, N-OCTANOL/WATER :**

Not available

**AUTO-IGNITION TEMPERATURE :**

Not available

**DECOMPOSITION TEMPERATURE:**

Not available

**VISCOSITY:**

&lt; 10 cps

**FLAMMABLE LIMITS :****UPPER:** Not applicable **LOWER :** Not applicable

## 10. STABILITY AND REACTIVITY

**Reactivity**

Not reactive

**Conditions to Avoid**

Store away from incompatible materials and sources of ignition.

**Chemical Stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

None

**Incompatible Materials**

Strong oxidizers.

**Hazardous decomposition products**

None

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Isopropanol 67-63-0	5840 mg/kg (rat)	13900 mg/kg (rabbit)	>25000 mg/m <sup>3</sup> (rat) 6 h

**Information on likely sources of exposure**

<b>Inhalation</b>	May cause respiratory irritation and possible damage
<b>Serious eye damage/irritation</b>	Causes eye irritation.
<b>Skin corrosion/irritation</b>	May dry skin.
<b>Ingestion</b>	May be harmful if swallowed. Minimal toxicity

**Delayed and immediate effects and also chronic effects from short and long-term exposure**

<b>Respiratory or skin sensitization</b>	None known
<b>Germ cell mutagenicity</b>	None known
<b>Carcinogenicity</b>	No listed carcinogens.
<b>Reproductive toxicity</b>	None known
<b>STOT - single exposure</b>	May cause drowsiness, or dizziness.
<b>STOT - repeated exposure</b>	None known
<b>Aspiration Hazard</b>	None known

**Symptoms related to the physical, chemical and toxicological characteristics**

See Section 2 &amp; 4.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Low toxicity to aquatic organisms

**Persistence and degradability**

Readily biodegradable

**Bioaccumulative potential**

No information available

**Mobility in soil**

No information available

**Other adverse effects**

None known

**13. DISPOSAL CONSIDERATIONS****Waste Disposal Method**

Dispose of in accordance with local regulations.

**Contaminated Packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

**14. TRANSPORT INFORMATION****TDG classification**

UN 1993, Flammable Liquid, n.o.s. (isopropanol), Class 3, PG II

**15. REGULATORY INFORMATION**

All ingredients are listed on the DSL

**16. OTHER INFORMATION****Preparation Date**

January 2, 2017

**Revision Date**

not applicable

**Revision Note**

not applicable

**Disclaimer**

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**End of SDS**