

1. IDENTIFICATION

Product Identifier

Product Name Bisán

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 CO₂, 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 | 60-80 |
| | | |
| | | |

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**

CO₂, 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 :

< - 40°C

BOILING POINT/BOILING RANGE :

95°C

FLASH POINT :

24°C (TCC)

EVAPORATION RATE, water = 1 :

> 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:

0.84

SOLUBILITY IN WATER :

Complete

PARTITION COEFFICIENT, N-OCTANOL/WATER :

Not available

AUTO-IGNITION TEMPERATURE :

Not available

DECOMPOSITION TEMPERATURE:

Not available

VISCOSITY:

< 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 ³ (rat) 6 h |

Information on likely sources of exposure

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

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

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

Symptoms related to the physical, chemical and toxicological characteristics

See Section 2 & 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