

1. IDENTIFICATION

Product Identifier

Product Name Bioguard

Recommended use of the chemical and restrictions on use

Recommended use Peracetic acid based foaming sanitizer

Restrictions on use For industrial use only

Supplier details

West Penetone Inc.
10900 Secant
Montreal, QC,
H1J 5S1
Tel: 514-355-4660

Emergency Telephone Number

Canutec (613)-996-6666

2. HAZARDS IDENTIFICATION

Classification

Skin Corrosion/Irritation	Category 1
Eye damage/Irritation	Category 1
Acute toxicity- oral	Category 4
Acute toxicity- inhalation	Category 3
Oxidizing liquids	Category 3
Organic peroxides	Type F

Label Elements

DANGER

Hazard Statements

Causes severe skin burns and eye damage|
Harmful if swallowed
Toxic if inhaled
Heating may cause a fire
May intensify fire; oxidizer



Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well ventilated area.
Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep away from clothing and other combustible materials.
Keep only in original packaging. Keep cool.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
Immediately call a POISON CENTER or doctor/physician.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
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. Protect from sunlight. Store separately.

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 %
Hydrogen peroxide	7722-84-1	15-20
Dodecylbenzene sulfonic acid	27176-87-0	10-15
Peroxyacetic acid	79-21-0	5-10
Acetic acid	64-19-7	5-10
Ethoxylated alcohol	68131-39-5	1-5

4. FIRST AID MEASURES

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Skin contact	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
Inhalation	Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
Ingestion	Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Causes severe burns to eyes, skin and mucous membranes. Symptoms include tingling sensation, stinging pain and / or reddening or whitening of tissues.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None.

Specific hazards arising from the chemical

Oxidizer. Contact with other materials may cause fire or may react with other material or upon heating. The product causes burns to eyes, skin and mucous membranes.

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**

Avoid contact with skin, eyes and clothing. Use personal protective equipment as described in Section 8.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. earth, sand, diatomaceous earth, vermiculite). DO NOT use sawdust, wood chips or combustible materials. Keep in suitable, closed containers for disposal in accordance with local/national regulations. After cleanup, rinse area with water.

7. HANDLING AND STORAGE**Precautions for Safe Handling****Handling**

Avoid contact with skin, eyes and clothing. Wash face, hands and any exposed skin thoroughly after handling. Use personal protective equipment as described in Section 8.

Conditions for safe storage, including any incompatibilities**Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials

Chlorinated products, alkalis, metals, organic materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Control parameters**

Chemical Name	ACGIH TLV
Hydrogen peroxide 7722-84-1	TWA: 1 ppm
Acetic acid 64-19-7	TWA: 10 ppm STEL: 15 ppm
Peroxyacetic acid 79-21-0	STEL: 0.4 ppm

Appropriate engineering controls**Engineering Controls**

Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment**Eye/face Protection**

Splash proof goggles or face shield.

Skin and body protection

Wear rubber or neoprene gloves and rubber boots and apron.

Respiratory Protection

If exposure limits are exceeded or if ventilation is inadequate, NIOSH/MSHA approved respiratory protection 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

Pungent vinegar

ODOR THRESHOLD :

Not applicable

VAPOR PRESSURE, mm Hg AT 20°C :

Not applicable

VAPOR DENSITY (Air = 1) :

Not applicable

RELATIVE DENSITY AT 20°C:

1.10

pH :
1.2
MELTING POINT / FREEZING POINT :
-5°C
BOILING POINT/BOILING RANGE :
100 °C
FLASH POINT :
None
EVAPORATION RATE, water = 1 :
1
FLAMMABILITY (SOLID, GAS):
Not applicable

SOLUBILITY IN WATER :
Complete
PARTITION COEFFICIENT, N-OCTANOL/WATER :
Not available
AUTO-IGNITION TEMPERATURE :
None
DECOMPOSITION TEMPERATURE:
Not available
VISCOSITY:
Not available
FLAMMABLE LIMITS :
UPPER: Not available **LOWER :** Not available

10. STABILITY AND REACTIVITY

Reactivity

Not reactive

Conditions to Avoid

Store away from incompatible materials.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Chlorine gas will be generated if mixed with chlorinated products

Incompatible Materials

Chlorinated products, alkalis, metals, organic materials.

Hazardous decomposition products

Oxides of carbon and/or nitrogen

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydrogen peroxide 7722-84-1	376 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	2 g/m ³ rat – 4h
Acetic acid 64-19-7	3310 mg/kg (Rat)	1060 mg/kg (Rabbit)	11.4 mg/L rat – 4 hours
Peroxyacetic acid 79-21-0	85-153 mg/kg (Rat)	> 2000 mg/kg (Rat)	204 mg/m ³ rat – 4 hours
Dodecylbenzene sulfonic acid 27176-87-0	500-2000 mg/kg (Rat)	Not available	Not applicable
Ethoxylated alcohol 68131-39-5	1650 mg/kg (Rat)	> 2000 mg/kg (rabbit)	Not applicable

Information on likely sources of exposure

Serious eye damage/irritation

Corrosive to eyes and may cause grave lesions, including blindness.

Skin corrosion/irritation

Corrosive to skin.

Ingestion

Ingestion may cause burns to the digestive and respiratory tract.

Inhalation

Spray mist may cause irritation or burns to respiratory tract.

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

Respiratory or skin sensitization

Not a sensitizer.

Germ cell mutagenicity

None known.

Carcinogenicity

No listed human carcinogens.

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT-repeated exposure

No information available.

Aspiration Hazard

None.

Symptoms related to the physical, chemical and toxicological characteristics

Refer to Section 4.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No information available

Persistence and degradability

No information available

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**

UN3149, hydrogen peroxide and peracetic acid mixture, stabilized, class 5.1 (8), PG II

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION**Preparation Date**

July 18, 2018

Revision Date

not applicable

Revision Note

not applicable

Disclaimer

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End of SDS