QUACHEM
Chemicals & Solution Providers

QUASINOL BROADSPECTRUM UNIVERSAL DISINFECTANT

Material Data Safety Sheet (MSDS): QUASINOL

1.Product Identification

Brand Name: Quasinol:- Contains H2O2 - 11% wt/wt & Silver Nitrate 100ppm and Proprietary Material

Company Identification: QUACHEM CHEMICALS & SOLUTION PROVIDERS, HO: B-303, Vasant Mandir, Manav Mandir Complex, Vasai Road(West), Waliv Naka, Dist. Palghar -401 202, Maharashtra(India).
For information call: +91-7719925252

2. Composition/ Information on Ingredients

CAS#	Chemical Name
7722-84-1	QUASINOL:- H2O2 11% & Silver Nitrate - 100ppm and Proprietary Material

3. Hazard Identification

EMERGENCY OVERVIEW

Contact with other material may cause slight corrosion. Harmful if inhaled. Causes eye and skin burns. If taken neat it may cause severe respiratory tract irritation with possible burns. May cause digestive tract irritation with possible burns.

Potential Health Effects

Eye:

Direct contact may cause eye burns. Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury.

Skin: Causes skin burns.

Ingestion: if directly taken orally it may cause injury to the digestive tract. Causes gastrointestinal tract burns. May cause damage of the digestive tract. May cause moderate to severe digestive tract irritation with abdominal pain, nausea, vomiting and diarrohea.

Chronic:

Prolonged or repeated skin contact may cause

irritations.

4. First Aid Measures

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid immediately. Do NOT allow victim to rub or keep eyes closed. Get medical aid immediately. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse. Destroy contaminated shoes.

Ingestion

Do NOT induce vomiting. If victim is conscious and alert, give maximum water. Never give anything by mouth to an unconscious person. Get medical aid immediately. Call a poison control center.

Inhalation: Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. DO NOT use mouth-to- mouth respiration.

Notes to Physician:

Treat symptomatically and supportively

5. Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand. Greatly increases the burning rate of combustible materials. Containers may explode in the heat of a fire. Some oxidizers may react explosively with hydrocarbons(fuel).

Extinguishing Media:

Do NOT get water inside containers. Cool containers with flooding quantities of water until well after fire is out. For small fires DO NOT use dry chemicals, carbon dioxide, halon or foams. USE WATER ONLY. For large fires flood fire with water from a distance.

Autoignition Temperature : Not available.

Flash Point : Not available.

Flammability of the Product : Non-flammable.

Fire Hazards in Presence of Various Substances : of combustible materials.

Explosion Hazards in Presence of Various Substances : Explosive in presence of open flames and sparks, of heat of organic materials, of meals, of acids.

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6. Accidental Release Measures

RELEASE NOTES: Dilute with a large volume of water till QUASINOL decomposes.

QUASINOL may be decomposed by adding sodium metabisulfite (SMBS) or sodium sulfite(SS) after diluting to about 5%. Dispose according to methods outlined for waste disposal. Combustible materials exposed to QUASINOL should be immediately

submerged in or rinsed with large amounts of water to ensure that all QUASINOL is removed. Residual QUASINOL may is allowed to dry. Direct contact on organic materials such as paper, fabrics, cotton, leather, wood or other combustibles can cause the material to corrode.

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7. Handling and Storage

Handling:
Keep container tightly closed. Do not get on skin or in eyes. Do not ingest or inhale. Use with adequate ventilation. Do not store near combustible materials. Discard contaminated shoes.

Storage:
Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from combustible substances, Corrosive prone area. Do not get water inside containers.

8. Exposure Controls/Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal Protective Equipment

Eyes:
Wear appropriate protective eyeglasses or chemical safety goggles.
Skin:
Wear appropriate protective gloves to prevent skin exposure.
Clothing:
Wear appropriate protective clothing to prevent skin exposure.

9. Physical and Chemical Properties (QUASINOL)

Appearance	**Clear, colourless liquid**
Odor:	**Odorless**
Water Solubility:	**Completely soluble**

Density:	**1.1000g/cm3**
pH:	**Acidic**
% Volatiles by volume @ 21C (70F):	**Not available**
Boiling Point/ Range	**114 deg C**
Melting Point:	**-50 deg C**
Vapor Density (Air=1):	**Not available**
Vapor Pressure (mm Hg):	**1 mbar @ 30 deg C**
Evaporation Rate (Butyl Acetate=1):	**Not available**
Viscosity:	**1.245cP**

10. Stability and Reactivity.

Chemical Stability: Stable under normal conditions. Decomposes on heating to release oxygen.

Conditions to Avoid: Incompatible materials, light, metals, excess heat, combustible materials, reducing agents, alkaline materials, strong oxidants.

Incompatibilities with Other Materials: Acids, bases, brass, copper, bronze, chromium trioxide, iron, lead, zinc.

Hazardous Decomposition Products: Irritating and toxic fumes and gases, oxygen, hydrogen gas.

Hazardous Polymerization: Has not been reported

11. Toxicological Information

Toxicity to Animals:

Acute oral toxicity (LD50): 2854 mg/kg (Mouse) (Calculated value for the mixture). Acute dermal toxicity (LD50): 4000 mg/kg (pig) (calculated value for the mixture)

Chronic Effects on Humans:

Contains material which may cause damage to the following organs: blood, upper respiratory tract,

skin, eyes, central nervous system (CNS).

Other Toxic Effects on Humans:

Hazardous in case of skin contact (irritant), Eye contact (corrosive), of ingestion, of inhalation (lung corrosive).

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12. Ecological Information

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

CHEMICAL FATE INFORMATION: QUASINOL in the aquatic environment is subject to various reduction or oxidation processes and decomposes into water and oxygen. QUASINOL half-life in freshwater ranged from 8 hours to 20 days, in air from 10-20 hrs. and in soils from minutes to hours depending upon microbiological activity and metal contaminants.

13. DISPOSAL METHOD: An acceptable method of disposal is to dilute with a large amount of water and allow the QUASINOL to decompose followed by discharge into a suitable treatment system in accordance with all regulatory agencies. The appropriate regulatory agencies should be contacted prior to disposal.

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14 . Transport Information

CLASS 5.1: Oxidizing material.
UN NO: 2984
Other Characteristic: Corrosive material. QUASINOL containers are vented. QUASINOL is not allowed in air shipment. Keep QUASINOL cans in upright position. They should not be stacked in transit. Do not store QUASINOL drums on wooden pallets

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15 . Other Regulatory Information

Mild oxidizing
Mild Corrosive
liquid
reactive material.

Causes slight burns. Keep in cool place. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water, wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately.

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16. DISCLAIMER

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall our company Quachem Chemicals & Solution Providers be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.

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