

Bleaching Solution

1. Identification of the Product:

Product Name: Bleaching Solution

Company: **Rafooneh**

Address:

Telephone:

Fax:

E-mail

Web-site:

2. Composition of Ingredients:

Ingredients	CAS No.	wt %
Sodium Hypochlorite	7681-52-9	5-12%
Water	7732-18-5	up to 100%

3. Hazards Identification:

Hazardous in case of skin contact (irritant, corrosive), of eye contact (irritant, corrosive), of ingestion. Slightly hazardous in case of inhalation (lung sensitizer).

Non-corrosive for lungs. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Inflammation of the eye is characterized by redness, watering, and itching.

Skin contact may produce burns. Prolonged exposure may result in skin burns and ulcerations. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Over-exposure by inhalation may cause respiratory irritation.

4. First-Aid Measures:

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Serious Inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

5. Fire Fighting Measures:

Explosion Hazards in Presence of Various Substances: Slightly explosive in presence of open flames and sparks. Heating may produce toxic fumes.

Flash Point/Auto-Ignition: Not flammable.

Extinguishing Media: Water spray, CO₂, Alcohol foam

Special Remarks on Fire Hazards: Releases chlorine when heated above 35 °C.

6. Accidental Release Measures:

Small Spill: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill: Corrosive liquid. Oxidizing material.

Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material.

Do not get water inside container. Avoid contact with a combustible material (wood, paper,

oil, clothing...). Keep substance damp using water spray. Do not touch spilled material. Use water spray curtain to divert vapor drift.

7. Handling and Storage:

Storage: Keep container dry. Keep away from heat. Keep away from sources of ignition. Keep away from combustible material.

Handling: Do not ingest. Do not breathe gas/fumes/ vapor/spray.

8. Personal Protection:

Personal Protection: Face shield. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Boots.

Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient

9. Physical and Chemical Properties:

Appearance: Cleaner is a transparent liquid.

Odor: Chlorine like odor

Specific Gravity: 1.080 ± 0.010

Vapor Pressure: na

Decomposition Temperature: 40 °C

Water Solubility: 100%

pH: 13-14

10. Stability:

Conditions of Instability: Incompatible materials: light, heat

Incompatibility with various substances: Reactive with reducing agents, combustible materials, organic materials, metals, acids.

Hazardous Decomposition Products: None expected.

11. Toxicological Information:

Not Available.

12. Ecological Information:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

13. Disposal consideration:

Waste must be disposed of in accordance with local environmental control regulations.

14. Transport Information:

DOT Classification: This product is not regulated by DOT.

UN No. : 1791

15. Regulatory Information:

This product is not classified as dangerous.

16. Other information:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.