



SAFETY DATA SHEET

1. Identification of the Substance/Preparation and of the Company/Undertaking

Reliance™ DG Dry Germicide
Product No. D5100
SDS No. S210

NFPA 704 Hazard Rating
Health: 2
Fire: 1
Reactivity: 0

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Use This Product only in Reliance EPS Processor. Follow Operator Manual Instructions

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Emergency Telephone No. 703-527-3887 / 1-800-424-9300 (CHEMTREC)
Telephone Number for Information: 1-800-548-4873 (CUSTOMER SERVICE-HEALTHCARE PRODUCTS)

2. Hazard Identification

Container Contents (Dry Powders):

Compartment A: Severe eye irritant. Skin and respiratory irritant
Compartment B: Harmful if swallowed. Eye, skin and respiratory irritant. Possible developmental toxin. May cause sensitization by inhalation.

Reliance DG Disinfection Solution (when used in the Reliance EPS Processor)

Minimal eye irritant. Not irritating to skin. No significant adverse effects are expected from exposure to Reliance DG disinfection solution

3. Composition/Information on Ingredients

Note: Package is composed of two separate compartments.

Compartment A

Hazardous Component(s)	CAS No.	% By Wt.
Sodium Perborate	10332-33-9	<50
Tetrasodium ethylenediamine Tetracetate, Tetrahydrate	64-02-8	<5
1-Hydroxyethylidene-1,1-diphosphonic acid, tetrasodium salt	3794-83-0	<15

Compartment B

Hazardous Component(s)	CAS No.	% By Wt.
Acetylsalicylic Acid	50-78-2	100

4. First Aid Measures

For Exposure to the Container Contents (Dry Powders)

Eye Contact: Flush eye immediately with plenty of water for at least 15 minutes. Obtain immediate medical attention.

Skin Contact: Flush skin immediately with plenty of water. Remove contaminated clothing. Obtain medical attention if irritation develops.

Inhalation: Remove patient to fresh air. If irritation persists or other symptoms develop such as difficulty breathing, obtain immediate medical attention.

Ingestion: Do NOT induce vomiting. Immediately call a poison center or hospital emergency department and follow their instructions. Do not give anything by mouth to an unconscious person. If conscious, drink 1-2 8-ounce glasses of milk or water.

For Exposure to Reliance DG Disinfection Solution (when used in the Reliance EPS Processor)

Eye Contact: Flush eye immediately with plenty of water. Obtain medical attention if irritation develops and persists.

Skin Contact: Rinse skin thoroughly with water.

Inhalation: Inhalation of disinfection solution is unlikely. If it occurs, remove patient to fresh air.

Ingestion: Adverse effects are unlikely, however, Do NOT induce vomiting and call a poison center or hospital emergency department and follow their instructions. Do not give anything by mouth to an unconscious person. If conscious, drink 1-2 8-ounce glasses of milk or water.

5. Fire-Fighting Measure

Flash Point: Not flammable. Container contents (dry powders) may burn under fire conditions.

Special Hazards: None known

Extinguishing Media: Suitable for surrounding fire

Special Fire Fighting Procedures: Wear positive-pressure self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measure

Wear appropriate protective attire (waterproof gloves, eye protection and apron). In a well-ventilated area, dispose of damaged/expired containers in a bucket with 8L (2 gallons) of hot water (43-50°C). Turn the container over and hold firmly. Use a blunt object to push in the bottom of the container. Gently shake contents into the bucket. Stir until a solution forms. Cut open the felt lid of the container and gently shake contents into the bucket. Stir until dissolved. Peroxyacetic acid may be formed by combining the contents of the two compartments in the presence of water. Avoid standing directly over the bucket or irritation may occur. Pour the solution down the drain and flush with cold water. Dispose of well-rinsed container in trash.

7. Handling and Storage

7.1 Handling

Do not remove container from moistureproof pouch until time of use. Avoid physical damage to container.

7.2 Storage

Store in a cool dry area at approximately 16°C -27°C and 10-60% RH. Avoid heat, moisture, sunlight or contaminating substances.

8. Exposure Control/Personal Protection

8.1 Occupational Exposure Limits

Acetylsalicylic acid; ACGIH TLV = 5mg/m³ (TWA)

8.2 Personal Protection

The following protective measures and equipment should be used handling open or damaged containers and for performing manual disposal. For normal operation, follow facility universal precautions.

Respirator Protection: NIOSH-approved respirator if established exposure limits (Sec 8.1) are exceeded.

Eye Protection: Safety glasses or goggles.

Protective Gloves: Waterproof, e.g. rubber or neoprene

Other Protective Clothing and Equipment: Boots, apron and gauntlets if necessary to prevent contact.

Ventilation: Adequate ventilation to maintain air concentrations below established limits.

9. Physical and Chemical Properties

Solubility in Water: Complete

pH: Comp A = Approximately 9.2-10.5. Comp B = Approximately 2.0-2.6.

Specific Gravity (68°F/20°C): Comp. A = Approximately 0.85g/mL. Comp. B = Approximately 0.789 g/mL

Appearance/Odor: Comp A = Off white/pale yellow, odorless solid. Comp. B = White, odorless solid.

10. Stability and Reactivity

Stability: Stored in the moisture proof pouch, the container is stable at room temperature under normal storage and handling conditions.

Hazardous Polymerization: Will not occur

Incompatible Materials: Strong oxidizing agents, reducing agents, strong acids.

Conditions to Avoid: Extreme temperature and humidity.

Hazardous Decomposition or Byproducts: Co_x NO_x

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11. Toxicological Information 11.1 Acute (Primary Routes of Exposure)

Eyes: Contact with contents of Compartment A may cause severe irritation. Contact with contents of Compartment B, acetylsalicylic acid may cause irritation. Contact with Reliance DG disinfection solution may cause minimal irritation.

Skin: Contact with contents of Compartment A may cause irritation. Contents of Compartment B, acetylsalicylic acid, may cause irritation. Contact with Reliance DG disinfection solution is not expected to cause irritation.

Inhalation: Dust from Compartments A and B will irritate the nose, throat and lungs but will usually subside when exposure ceases. Coughing and breathing difficulty may occur. Acetylsalicylic acid may cause sensitization (allergic reaction) in sensitive individuals if inhaled. Vapors and mists from the Reliance DG disinfection solution would not be expected to cause significant adverse effect. Peroxyacetic acid vapors that may be generated during manual disposal may cause eye, nose, throat and lung irritation.

Ingestion: Swallowing dry powders may cause mouth and gastrointestinal irritation. Large doses of acetylsalicylic acid may result in tinnitus (ringing in ears), gastric irritation and other adverse effects.

Acute Toxicity Values:

Contents of Compartment A (Dry powders) Oral LD₅₀ (rat) 2,500 mg/kg
Contents of Compartment B, acetylsalicylic acid Oral LD₅₀ (rat) > 1,500 mg/kg.
Reliance DG disinfection solution Oral LD₅₀ (rat) >5,000 mg/kg

11.2 Long Term Exposure

Acetylsalicylic acid may cause sensitization (allergic reaction) if inhaled or ingested by some individuals. Acetylsalicylic acid (aspirin) is suspected to cause developmental toxicity (birth defects) when administered therapeutically during the last trimester of pregnancy. Pregnant women should avoid exposure to the chemistry concentrate. Carcinogenicity. IARC and the EU Directive do not list this product or its ingredients as carcinogens.

12. Ecological Information

The Reliance DG disinfection solution 96 hour LD₅₀ for freshwater fish (fathead minnow) is > 1,000 mg/L.

13. Disposal Considerations

Dispose in accordance with local, state, and Federal regulations. Dilute with water. Do not allow undiluted material to enter storm or sanitary sewer systems. Do not mix with hypochlorite solutions. Dispose of spent container in proper receptacle. Dispose of leaking/damaged containers by dissolving the contents in a water-filled basin in a well-ventilated area, while wearing waterproof gloves, eye protection and apron. Open container and dispense contents into at least 8 Liters of hot (43-50°C) water. Stir until container contents have dissolved. Dispose of thoroughly-rinsed container in proper receptacle. See section 6. Accidental Release Measures, for more detailed disposal instructions.

14. Transport Information

GROUND/SEA/AIR: Non-Hazardous

15. Regulatory Information

CERCLA 103 Reportable Quantity: Not applicable

SARA TITLE III:

Hazard Category for Section 311/312: Acute Health, Chronic Health

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None.

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: Medical devices are not subject to TSCA regulations.

U.S. State Regulations: California Prop 65: acetylsalicylic acid (developmental toxicity)

16. Other Information

HMIS Ratings: Health – 2 Flammability – 1 Reactivity - 0

The information on this sheet is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions or recommendations are not followed.