
1. Product and Company Identification

Identity (as used on label & list): **Decon7 Part 1**
Product Description: Water Soluble Surfactants and Water
Intended Use: Disinfectant, Mildewstat, Virucide, only for use when added to Decon7 Part 2

Supplier Details: Decon7 Systems LLC
7575 E Redfield Rd Ste 235
Scottsdale, AZ 85260
480-339-2858

Emergency Telephone
Number (with hours of operation) 1-800-424-9300 (24/7)

2. Hazards Identification

Hazardous Classification:

Pictogram:



Signal word: Danger

Hazard Statement: Causes skin burns, causes eye injury, harmful if swallowed or inhaled

Under conditions of intended use this product is not considered hazardous and does not pose a risk to health.

Overview; Ingredients not listed as a carcinogen by IARC, NTP, or OSHA

DOT Hazard Class: Not Applicable

Threshold Value Limit (TLV): Not Determined

Signs and Symptoms of Exposure:

Eyes Will cause irritation and inflammation characterized by redness, watering, and itching; depending on length of exposure, solution concentration and first aid measures provided.

Skin Causes skin irritation characterized by reddening. Prolonged contact with product may cause discomfort, no adverse effects expected from absorption of material through skin.

Ingestion Not expected to be a primary route of exposure, will produce gastrointestinal discomfort.

Inhalation Not expected to be a primary route of exposure, vapors or mists in unusually high concentration, in poorly ventilated areas may cause irritation of nose and throat characterized by coughing.

3. Composition/ Information on Ingredients

| Component | CAS-No. | %Wt. |
|--|------------|------|
| Alky-Dimethyl-benzylammonium chloride | 68424-85-1 | 3.2 |
| Pentamethyl-N-Alkyl Trimethylene diammonium Chloride | 68607-29-4 | 1.0 |

| | | |
|-----------------------------------|-----------|------|
| Diethylene Glycol Monobutyl Ether | 112-34-8 | 1.6 |
| 1-Dodecanol | 112-53-8 | 0.8 |
| Isobutanol | 78-83-1 | 1.0 |
| | | |
| Propylene Glycol | 57-55-6 | 20.0 |
| Potassium Hydroxide | 1310-58-3 | 3.2 |
| Potassium Bicarbonate | 248-14-6 | 10.0 |
| Water | Balance | |

4. First Aid Measures

Inhalation: Remove to fresh air. If irritation persists, seek medical attention. If breathing has stopped, assist ventilation with a mechanical device or use rescue breathing with a pocket mask.

Skin: Wash skin with water.

Eyes: Flush with water for 15 minutes. If eye irritation persists, seek medical attention.

Ingestion: If swallowed, get immediate medical attention or advice. If victim is conscious and able to swallow, give large amounts of water. Do not give anything by mouth to the person who is unconscious or convulsing. Do not induce vomiting unless directed by a physician.

5. Fire Fighting Measures

| | |
|----------------------------|----------------|
| Flash Point | Not Applicable |
| Auto Ignition Temperature: | Not Applicable |
| Flammable Limits | Not Applicable |
| Classification | Not Flammable |
| Extinguishing Media | Not Applicable |

Special Fire Fighting Procedures: NFPA Code: Health 1, Fire 0, Reactivity 0

Use water spray to cool fire-exposed surfaces to prevent over-pressure of containers and to protect personnel. Use air-supplied breathing equipment for enclosed areas.

6. Accidental Release Measures

Containment Procedures Stop flow of material if without risk. Dike spill with inert absorbent. Block any potential routes to water systems, sewers, streams, lakes, etc.

Clean-Up Procedures Wear appropriate protective equipment and clothing. Absorb with inert absorbent, shovel material into appropriate container for disposal.

Evacuation Procedures Keep unnecessary personnel away.

7. Handling and Storage

Handling Procedures Avoid contact with skin and eyes. Observe good industrial hygiene practices and wash thoroughly after handling.

Technical Measures Work practices should minimize contact.

Technical Precautions Local exhaust is normally not required unless the process produces a mist.

Storage Procedures Store in tightly closed original container, in well ventilated place, away from strong acids. Prevent from freezing. If frozen, move to warm area.

8. Exposure Controls/ Personal Protection

Ventilation Engineering Controls:

Ventilation should effectively remove and prevent any buildup of any vapor or mist generated from the use of this product

Personal Protection Equipment (PPE)**Respiratory Protection:**

If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA rated respiratory protection must be provided.

Skin Protection:

Use Impervious gloves. Use of impervious apron and boots are recommended

Eye/Face Protection:

Wear safety glasses, chemical goggles or a full face shield.

Other Protective Clothing / Equipment:

None.

9. Physical and Chemical Properties

| | |
|--|---|
| Physical State | Liquid |
| Appearance and Color | Light yellow to water white liquid |
| Boiling Point (° F) approximately | 212° F |
| Odor | Ammoniacal |
| Vapor Pressure (mmHg) | equivalent to water |
| Vapor Density (air= 1) less than | equivalent to water |
| Solubility in Water | Complete |
| Specific Gravity (H ₂ O= 1) approximately | 1.09 |
| Burning Properties | Oxides of carbon and nitrogen may be produced after all moisture is boiled off. |
| Flammability | Not Flammable |
| Explosive Properties | Not Explosive |
| Flashpoint | Not applicable |
| Auto-ignition temperature | Not applicable |
| Decomposition temperature | Not applicable |
| pH of Product | 10.7 |
| Evaporation Rate (water= 1) | < 1 |
| Viscosity | ≈ water |

10. Stability and Reactivity**Chemical Stability:**

This is a chemically stable material.

Conditions to Avoid:

Heat from fire sufficient to overpressure container.

Materials to Avoid:

Strong acids

Hazardous Decomposition or Byproducts:

Material will not decompose in use or storage. Oxides of carbon, nitrogen may be produced after all moisture is boiled off in a fire.

Hazardous Polymerization

Will not occur.

11. Toxicological Information

| | |
|------|---|
| Eyes | Will cause irritation and conjunctivitis depending on length of exposure, solution concentration and first aid measures provided. |
| Skin | Prolonged contact with product may cause discomfort, no adverse effects expected from absorption of material through skin |

Ingestion Not expected to be a primary route of exposure. Rat oral LD₅₀ (of mixed Part 1@49%, Part 2@49%, Part 3@2%) is greater than 5000milligrams/kilogram of body weight

Inhalation Vapors or mists in unusually high concentration, in poorly ventilated areas may cause irritation of nose and throat.

Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No

12. Ecological Information

The product is not expected to be hazardous to the environment.

Mobility: This product is soluble in water and will spread in water systems

Degradability: The rate of degradation has not been determined. Surfactant components are inherently bio-degradable.

13. Disposal Considerations

Waste Material Disposal of in accordance with Local, State and Provincial Environmental Regulations.

Treat container as residue.

14. Transport Information

Not Regulated

15. Regulatory Information

DOT Hazard Class: Not regulated

EPA Hazardous Substances: None

SARA 311/312 Hazards: Immediate (Acute) Health Hazard

SARA Title III: none

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Governmental Inventory Status: All components comply with TSCA, DSL, AICS, NZIoC, ENCS, KECl, PICCS and IECSC.

16. OTHER INFORMATION

| | | | | |
|---------------|---------------|-------------|-------------------|------------|
| US NFPA Codes | Health | Fire | Reactivity | |
| | 1 | 0 | 0 | |
| HMIS Codes | Health | Fire | Reactivity | PPE |
| | 1 | 0 | 0 | Section 8 |

The information on this SDS reflects the latest information that we have on hazards, properties, and handling of this product under recommended conditions of use. This company believes this information to be accurate and reliable however, the accuracy and completeness is not guaranteed.