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**1. Product and Company Identification**

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Identity (as used on label & list): **D7 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  
8541 E Anderson Dr, Suite 106  
Scottsdale, AZ 85255  
480-339-2858

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

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**2. Hazards Identification**

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***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.

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**3. Composition/ Information on Ingredients**

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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	

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#### 4. First Aid Measures

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- 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.

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#### 5. Fire Fighting Measures

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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.

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#### 6. Accidental Release Measures

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- 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.

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#### 7. Handling and Storage

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- 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.

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#### 8. Exposure Controls/ Personal Protection

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**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.

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**9. Physical and Chemical Properties**

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Physical State	Liquid
Appearance and Color	Light yellow to water white liquid
Boiling Point (° F) approximately	212 <sup>o</sup> 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 <sub>2</sub> 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

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**10. Stability and Reactivity**

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**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.

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**11. Toxicological Information**

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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 LD<sub>50</sub> (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

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## 12. Ecological Information

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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.

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## 13. Disposal Considerations

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

Treat container as residue.

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## 14. Transport Information

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Not Regulated

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## 15. Regulatory Information

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**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, KECI, PICCS and IECSC.

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## 16. OTHER INFORMATION

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

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.