

# Safety Data Sheet (SDS)

## Section 1: Chemical Product and Company Identification

**Cat# :** 4001, 4002, 4004, 4010, 4030

**Part Name:** DeSCAL

**Supplier:** Decon Laboratories Inc.

460 Glennie Circle King of Prussia, Pa 19406  
SDS Telephone # (610) 755-0800

### Emergency Telephone Numbers

US Chemtrec: (800) 424-9300

Canada: (703) 527-3887

**Identified uses:** Laboratory use

Email Contact: [cveloski@deconlabs.com](mailto:cveloski@deconlabs.com)

## Section 2: Hazards Identification:

### Hazard Overview

Strong Acidic Cleaning Compound. Immediate contact will cause strong burning of skin, eyes, and mucous membranes. Corrosive to all body tissue. Immediately flush with water.

**Signal Word: DANGER**



### Hazard and Precautionary Statements

H314 Causes severe skin and eye damage  
H302 Harmful if swallowed

### NFPA Rating

Hazard Ratings:

These ratings are Decon Laboratories Inc.'s own assessments of the properties of the material using the ANSI/NFPA 704 Standard. Additional information can be found by consulting in the NFPA published ratings lists (List 325 and list 49).

If no data is listed the information is not available

Health 2      Flammability 0      Reactivity 0

## Section 3: Composition/ Information on ingredients

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Note: Items listed with a CASRN number have no CAS# available

| Item# | Name            | EINECS | CAS #      | % in Product |
|-------|-----------------|--------|------------|--------------|
| 1     | Water Softened  |        | 7732-18-5  | Major comp.  |
| 2     | Phosphoric Acid |        | 7664-38-2  | Major        |
| 3     | Pluronic L-31   |        | *9003-11-6 | Minor        |

## Section 4: First Aid Measures

### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye.

Seek medical attention as soon as possible - Immediate response is critical after contact with eyes to avoid permanent damage to eyes

### Skin contact

Wash immediately with soap and water  
If irritation persists, see a physician

### Inhalation

Remove to fresh air, give oxygen or artificial respiration to maintain breathing. Call physician if indicated

### Ingestion

Wash mouth and other contacted part with water  
Never give anything by mouth to an unconscious person.  
If conscious, give 1-2 glasses of water  
Avoid alcohol  
Contact a physician or poison control center.

## Section 5: Fire-Fighting Measures

|                                |                |                                   |                               |
|--------------------------------|----------------|-----------------------------------|-------------------------------|
| Flash Point, deg. F:           | No flash point | Method:                           | Water, Foam, ABC Extinguisher |
| UEL: N/A                       | LEL: N/A       | Autoignition temperature, deg. F: | N/A                           |
| Flammability Classification:   | N/A            | Flame Propagation Rate:           | N/A                           |
| Hazardous Combustion Products: | N/A            |                                   |                               |

Special Protective Equipment: Gloves and safety glasses

## Section 6: Accidental Release measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

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**Personal Protection:** Wear gloves and safety glasses

**Environmental Precautions:** Product is suitable to wash to sanitary sewer

**Cleanup Methods:** Wash to sanitary sewer, rinse area with water

## Section 7: Handling and Storage

**Handling:** Open container only to use or to remove material for use. Use a clean, dry scoop or pump to remove material. Do not contaminate material with other products.

**Storage:** Store in a clean, dry place

## Section 8: Exposure Controls/ Personal Protection

### Preventative Measures:

Open container only to use or to remove material for use. Use a clean, dry scoop or pump to remove material. Do not contaminate material with other products.

### Engineering Controls:

Provide fresh air flow at all times.

### Personal Protection:

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

**Eyes:** Wear safety glasses at all times when using this product

**Skin:** Wear water proof, rubber gloves when handling this product

**Respiratory:** Normal ventilation is usually sufficient

Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product. Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product. Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

## Section 9: Physical and Chemical Properties

Formula: Mixture

Vapor Pressure: N/A

Formula weight: N/A

Vapor Density: N/A

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Boiling Point: > 200°F  
Relative Density: 1.180  
Melting Point: N/A  
pH: 1.6  
Flash Point: N/A  
Appearance: Clear liquid  
Solubility: Complete in water  
Oxidizing Properties: None  
VOC Content: N/A

## Section 10: Stability and Reactivity:

Chemical Stability: Stable  
Conditions to Avoid: No data  
Incompatibility with other materials: Do not mix with strong alkalis  
Hazardous Decomposition Products: N/A  
Hazardous Polymerization: Will not occur

## Section 11: Toxicological Information

Acute Data: Corrosive  
Subchronic Data: Corrosive

## Section 12: Ecological Information

No Data.

## Section 13: Disposal Considerations

Dispose in accordance with federal, state and local regulations.

## Section 14: Transportation Information

Proper Shipping Name: Phosphoric Acid Solution  
Chemical Name: Phosphoric Acid  
UN #: UN1805  
Class: 8  
Packing Group: III  
Note: sizes 1 gallon or less ship as ORM-D  
*ER - 154*

## Section 15: Regulatory Information

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All components of this product are on the TSCA public inventory

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations) and this MSDS (Material Safety Data Sheet) contains all the information required by the CPR.

The GHS classifications were derived from the most prominent or most hazardous components in the formulation. The finished product was not tested.

|                                      |
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| <b>Section 16: Other Information</b> |
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**End of Safety Data Sheet**