Complies with EC no. 1907/2006
Date of Issue: 01/01/1997
Date of Revision: 12/31/2024R

Safety Data Sheet (SDS)

Section 1: Chemical Product and Company Identification

Cat#: 4001, 4004, 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

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

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 unconcious 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.

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 useing 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. Permiation 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

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 alkalies
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
ER - 154	

Note:
sizes 1 gallon or less ship as ORM-D

Section 15: Regulatory Information

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.

Section 16: Other Information

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End of Safety Data Sheet