# **MATERIAL SAFETY DATA SHEET**

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(CHEMTREC)

**SECTION 01 - IDENTIFICATION** 

Product Name:

MEMCLEEN-A Cleaning Compound

Product Type: **DOT Hazard Class:** 

Corrosive Liquid, Acidic, Organic, N.O.S. (Citric Acid Solution),

Class 8, UN 3265, PGIII

SECTION 02 - HAZARDOUS INGREDIENTS

**Chemical Name** 

CAS#

PEL/TLV

2-Hydroxy-1,2,3-Propane Tricarboxylic Acid

77-92-9

< 50

Not Established

SECTION 03 - PHYSICAL DATA

Appearance and Odor:

Clear, light colored liquid with a mild odor.

pH:

1.5-2.0 1.2

Specific Gravity: Solubility in Water:

100%

SECTION 04 - FIRE AND EXPLOSION HAZARD DATA

Flash Point:

>212 Degrees F

Extinguishing Media:

Carbon dioxide or foam

Special Fire Fighting Procedures:

Wear NIOSH approved self-contained breathing apparatus with a

full-face piece.

Unusual Fire and Explosion Hazards:

None

SECTION 05 - HEALTH AND FIRST AID

HMIS Hazard Rating:

Health 2

Fire 0

Reactivity 0

Hazard Type:

Corrosive

Carcinogenicity:

NTP: Not listed

Iarc: Not listed

OSHA: Not listed

Effects of Overexposure: May cause irritation or burns to the skin, eyes and respiratory tract. Prolonged or repeated skin contact may result in dermatitis. Prolonged or repeated eye contact may

result in conjunctivitis.

EMERGENCY AND FIRST AID PROCEDURES

Skin:

Wash area with copious water. If irritation persists, obtain medical

attention.

Eyes:

Flush eyes with copious water for 15 minutes. If irritation persists,

seek medical attention.

Inhalation: Ingestion:

Remove to fresh air. Obtain medical attention if symptoms persist. If conscious, give 1-3 glasses of water to dilute stomach contents.

Never give anything by mouth to an unconscious person. Do not

induce vomiting. Seek immediate medical attention.

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## SECTION 06 - CORROSIVITY AND REACTIVITY DATA

Stability:

Stable

Incompatibility:

Incompatible with strong bases and oxidizing agents.

Hazardous Decomposition:

Combustion will produce oxides of carbon.

Hazardous Polymerization:

Will not occur

# SECTION 07 - STORAGE, HANDLING, AND USE PROCEDURES

Normal Storage and Handling:

Normal warehouse procedures. Store above freezing

Normal Use:

Normally used as 1% solution in water for cleaning membrane

Steps to be taken in case of leaks or spills:

Surfaces will be slippery. Flush with water or soak up with inert

material and shovel into a container.

Waste Disposal Method:

Dispose of in accordance with Federal, State and Local laws.

Material is biodegradable.

#### SECTION 08 - PERSONAL PROTECTION INFORMATION

Respiratory Protection:

Not required for normal use.

Ventilation:

No special requirement.

Protective Gloves:

Rubber, impervious type.

Eve Protection: Personal Hygiene: Chemical splash goggles.

Use good personal hygiene practices. Wash hands before eating,

drinking, smoking, or using toilet facilities. Promptly remove

soiled clothing and wash thoroughly before reuse.

Measures To Be Taken During Repair and Maintenance of Contaminated Equipment That Has Been In Contact With This Material: See Sections 07 and 08.

#### SECTION 09 - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage:

Keep from freezing.

Other Precautions:

None

## SECTION 10 - REGULATORY INFORMATION

TSCA Status: All chemicals contained in this product are on the TSCA inventory.

#### FOR COMPANY USE

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, Dynatec Systems Inc., makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.

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