

DATE OF ISSUE: June 15, 2014

ISSUED BY PASCAL

**Product Name:** Citrizyme<sup>®</sup>**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Product Name: Citrizyme<sup>®</sup>  
Product Use: Enzymatic evacuation cleaner and instrument pre-soak  
Manufacturer Name: Pascal International, Inc.  
Address: 2929 NE Northup Way  
Bellevue, Washington 98009-1478  
Emergency Telephone (Infotrac): 1-800-535-5053, 1-352-323-3500  
Telephone: 1-425-827-4694, 1-800-426-8051  
Fax: 1-425-827-6893

**2. HAZARDS IDENTIFICATION**

Acute & Chronic Hazards: Skin: Prolonged exposure may cause irritation.  
Eyes: Contact will cause irritation.  
Ingestion: May cause abdominal discomfort.  
Inhalation: Respiratory irritation.

Risk Phrases<sup>®</sup> R23: Toxic by inhalation  
R36: Irritating to eyes.  
R37: Irritating to respiratory system.  
R38: Irritating to skin.  
R41: Risk of serious damage to eyes

Safety Phrases: S2: Keep out of reach of children.  
S22: Do not breathe dust.  
S24: Avoid contact with skin.  
S25: Avoid contact with eyes  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Entity (Components)	CAS No.	Proportion
Sodium Bicarbonate	144-55-8	56%
Crodasinic LS95 (Sodium Lauroyl Sarcosinate)	137-16-6	1%

**4. FIRST AID MEASURES**

Inhalation: Remove to fresh air. If breathing is difficult seek medical attention.

Ingestion: Drink large amounts of water. Do not induce vomiting. If symptoms persist, seek immediate medical attention.

DATE OF ISSUE: June 15, 2014

ISSUED BY PASCAL

<b>Product Name:</b>	<b>Citrizyme<sup>®</sup></b>
----------------------	------------------------------

Skin:	Wash with soap and water. If irritation persists, seek medical attention.
Eye:	Flush immediately with water. Seek immediate medical attention.

## 5. FIRE FIGHTING MEASURES

Extinguishing Media:	Water, CO <sub>2</sub> , dry chemical
Specific Hazards:	None
Precautions in connection with Fire:	Use of self contained breathing apparatus is recommended

## 6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:	Provide adequate ventilation
Clean Up Procedure:	Wipe up spill. Clean surface with water.

## 7. HANDLING AND STORAGE

Handling:	Avoid contact with skin and eyes.
Storage:	Store in cool dry environment.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:	Not available
Respiratory Protection:	Dust mask recommended
Eye Protection:	Recommended
Hand Protection:	Gloves recommended
Engineering Controls:	Normal room ventilation

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Orange colored powder
Odor:	Citrus scented
pH:	NA
Vapor Pressure:	NA
Vapor Density:	Not determined
Boiling Point:	NA
Freezing / Melting Point:	NA
Solubility in Water:	Readily soluble
Specific Gravity:	Not determined
Flash Point:	Not determined
Flammability:	Not determined

DATE OF ISSUE: June 15, 2014

ISSUED BY PASCAL

<b>Product Name:</b>	<b>Citrizyme®</b>
----------------------	-------------------

Flammable Limits LEL:	Not determined
Flammable Limits UEL:	Not determined

## 10. STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions to Avoid:	None determined
Incompatible Materials:	None known
Hazardous Decomposition Products:	None known
Hazardous Reactions:	None known

## 11. TOXICOLOGICAL INFORMATION

Hazardous Ingredient:	Sodium Bicarbonate LD <sub>50</sub> 6000 mg/kg (mouse)
Routes of Exposure:	Refer to Section 4 of MSDS
Chronic Effects:	Not available

## 12. ECOLOGICAL INFORMATION

Ecotoxicity:	Not available
Persistence and Degradability:	Not available
Mobility:	Not determined

## 13. DISPOSAL CONSIDERATIONS

Disposal Method and Containers:	Normal quantities may be washed down sink or disposed in trash.
Special Precautions:	None

## 14. TRANSPORT INFORMATION

UN Number	This is not a DOT controlled material.
UN Proper Shipping Name	Not applicable.
Class and Subsidiary Risk	Not applicable.
Packing Group	Not applicable.
Special Precautions for User	None
Hazchem Code	Not applicable.

# Safety Data Sheet

DATE OF ISSUE: June 15, 2014

ISSUED BY PASCAL

<b>Product Name:</b>	<b>Citrizyme<sup>®</sup></b>
----------------------	------------------------------

## 15. REGULATORY INFORMATION

Precautionary Phrases:	For professional in-office use only. Keep out of reach of children.
Note:	Refer to applicable international, national and local regulations and provisions.

## 16. OTHER INFORMATION

Legal Disclaimer:	Information contained in this MSDS is based on data believed to be correct. This information does not purport to be all inclusive and shall be used only as a guide. No warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. In no event will the manufacturer or the distributor be responsible for damages of any nature whatsoever resulting from the use of or reliance upon this information.
-------------------	--

MSDS History	Date of Issue: June 15, 2014 Replaces Issue: May 17, 2012 Changes made to previous issue: MSDS to SDS
--------------	---