

Material Safety Data Sheet

(18041-05)

Section 1: Chemical Product and Company Identification

<p>Product Name: Michel's Buffer</p> <p>Catalog Number: 18041-05</p> <p>CAS#: See no. 2 below</p>	<p>Contact Information: Electron Microscopy Sciences 1560 Industry Road Hatfield, PA 19440 1-215-412-8400 (phone) 1-800-523-5874 (toll-free) 1-215-412-8450 (fax) Order Online: emsdiasum.com</p> <p>CHEMTREC (24-Hour Emergency Telephone), call: 1-800-424-9300</p>
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Section 2: Composition and Information on Ingredients

Name	CAS#	% in product				
Sulfuric acid diammonium salt	007783202	35.5				
Water	007732185	64				
OSHA (ACGIH) Exposure Limits						
	TWA		STEL		CEILING	
	ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
CAS# 007732185						
OSHA	NE	NE	NE	NE	NE	NE
ACGIH	NE	NE	NE	NE	NE	NE
CAS# 007783202						
OSHA	NE	NE	NE	NE	NE	NE
ACIGH	NE	NE	NE	NE	NE	NE

Section 3: Hazards Identification

Low Hazard for usual industrial or commercial handling.

If no data is listed, the information is not available.

Section 4: First Aid Measures

No first aid measures are indicated.

Section 5: Fire and Explosion Data

Flash Point: deg. F: no data

UEL: no data **LEL:** no data

Flammability Classification: no data

Hazardous Combustion Products: oxides of carbon

Method: no data

Auto-ignition temperature, deg.F: no data

Flame Propagation Rate: no data

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.

Section 7 : Handling and Storage

Store at room temperature.

Section 8: Exposure Controls/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 is to be considered as additional to safety glasses and gloves. No special protection is indicated.

Section 9: Physical and Chemical Properties

Formula: mixture

Formula weight: mixture

Boiling point: no data

Melting point: no data

Solubility: soluble

vapor pressure: no data

vapor density: no data

specific gravity: 1.0

pH: 7.4

appearance: liquid

Section 10: Stability and Reactivity Data

Chemical stability: stable

Incompatibility with other materials: strong oxidizers

Hazardous Polymerization: will not occur

Conditions to Avoid: no data

Hazardous Decomposition Products: no data

Section 11: Toxicological Information

Acute data: no data

Subchronic data: no data

Section 12: Ecological Information

No data

Section 13: Disposal Considerations

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

CAS#	Waste Code	Regulated Name
007732185	not listed	not listed
007732202	not listed	not listed

Section 14: Transport Information

Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

Section 15: Other Regulatory Information

Prop 65 – Column A identifies those items which are known to the State of California to cause cancer. Column B identified items which are known to the State of California to cause reproductive toxicity.

CAS#	Column A	Column B
007732185	no	no
007783202	no	no

State Regulatory Information: If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

CAS#	FL	MA	PA
007732185	not listed		
007783202	FL	MA	PA

SARA Toxic Release Chemicals (as defined in Section 313 of SARA Title III)

This list identifies the toxic chemicals, including their *de minimis* concentrations for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

CAS#	Regulated name	de minimis conc. %	Rep. Thres.
007732185	not listed	not listed	not listed
007783202	not listed	not listed	not listed

CERCLA
The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at *800) 424-8802.

CAS#	Regulated name	RQ (pounds)
007732185	not listed	not listed
007783202	not listed	not listed

Section 16: Other Information:

Issue Date: 11/29/2006

Verified and Printed: 12/13/2010

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Electron Microscopy Sciences be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Electron Microscopy Sciences has been advised of the possibility of such damages.