

Material Safety Data Sheet Issue Date: 5/5/2004
Section 1: Chemical Product and Company Identification
Cat#: 24119B

Part Name: 5% SOLUTION OF AMMONIUM OXALATE
Supplier: Polysciences, Inc.
400 Valley Road
Warrington, PA 18976
Telephone #215-343-6484

Section 2: Composition/ Information on Ingredients

Item #	Name	CAS#	% in product
1	Ethanedioic acid, diammonium salt monohydrate	006009707	5
2	Water	007732185	95

OSHA (ACGIH) Exposure Limits

CAS#	IDHL	TWA		STEL		CEILING	
		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
006009707	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
007732185	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE

Section 3: Hazards Identification

Harmful if absorbed through skin or swallowed.
Harmful if inhaled or swallowed.

Hazard Ratings:

These ratings are Polysciences' Inc. own assesments 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

Health	Flammability	Reactivity
2	----- 0	----- 0

Section 4: First Aid Measures

Brush off the skin.
Contact medical personnel.
Flush eyes with flowing water for at least 15 minutes.
If swallowed, NO NOT INDUCE vomiting. Give 8 oz. of water or milk to drink.
Call a physician or the POISON CONTROL CENTER immediately. Never give anything by mouth to an unconscious person.
Separate eyelids with finger tips.
Wash skin with deluge of water for at least 15 minutes.

Section 5: Fire Fighting Measures

Flash point, deg F.: not flammable Method: nap
UEL: nap LEL: nap Autoignition temperature, deg. F.: nap
Flammability nap Flame Propagation nap
Hazardous Combustion Products: nap

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.
Absorb liquids on absorbent material.
Contain spilled liquids.

Section 7: Handling and Storage
Store at 25 deg. C.

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 equipment is to be considered as additional to safety glasses and gloves. Use chemical splash goggles and face shield.
Use latex or equivalent gloves.
Use process enclosures, local exhaust ventilation, or other engineering controls.

Section 9: Physical and Chemical Properties
Formula: C₂H₈O₄.H₂O vapor pressure: nap
Formula Weight: no data vapor density: nap
boiling point: 212 Specific gravity: 1.03
melting point: 32 ph: neutral
solubility: soluble appearance: clear colorless liquid

Section 10: Stability and Reactivity
Chemical stable
Conditions to Avoid: none
Incompatibility with other sodium hypochlorite plus ammonium acetate; strong acids
Hazardous Decomposition ammonia; nitrogen oxides
Hazardous will not occur

Section 11: Toxicological Information
Acute no data
Subchronic data: Circulatory failure or nervous system irregularities may follow prolonged calcium metabolism disturbances because of

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
006009707	not listed	not listed
007732185	not listed	not listed

Section 14: Transportation Data
Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

Section 15: Regulatory Information

All components of this product are on the TSCA public inventory.

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
006009707	no	no
007732185	no	no

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

CAS#	MA	PA
006009707	MA	PA
007732185	not listed	

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.
006009707	not listed	not listed	not listed
007732185	not listed	not listed	not listed

SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

CAS#	Regulated Name	TPQ (pounds)	EHS-RQ(pounds)
006009707	not listed	not listed	not listed
007732185	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
006009707	Not listed	Not listed
007732185	Not listed	Not listed

Section 16: Other Information

Monitor cardiovascular, respiratory, neurologic and renal functions. Treat supportively.

POLYSCIENCES, INC. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. POLYSCIENCES, INC. makes no representations or warranties, either expressed or implied of merchantability, fitness for particular purposes with respect to the information set forth herein or to which the information refers. Accordingly, POLYSCIENCES, INC. will not be responsible for damages resulting from the use of or reliance upon this information.

END OF MSDS