

EMS CATALOG NO.: 24142  
EMS PRODUCT: GLUTARALDEHYDE SPILL  
CONTROL  
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PAGE NUMBER: One of 3

MATERIAL SAFETY DATA SHEET

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Electron Microscopy Sciences assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.

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24 HOUR EMERGENCY PHONE NUMBER  
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FOR PRODUCT AND SALES INFORMATION

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CONTACT ELECTRON MICROSCOPY SCIENCES OFFICE ABOVE.

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HAZARDOUS INGREDIENTS

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CAS Proprietary Formulation

Percent (Wt.)	100
OSHA PEL/STEL	None Established
ACGIH/TLV - TWA	None Established
CAS #	N/A

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PHYSICAL & CHEMICAL CHARACTERISTICS

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APPEARANCE:	Granular powder
COLOR:	White
ODOR:	Slight ammoniacal
BOILING POINT (oC):	107.8
MELTING POINT (oC):	155.0
SPECIFIC GRAVITY (H2O=1):	N/A
pH (1% AQUEOUS SOLUTION):	8.0
VAPOR DENSITY (AIR=1):	N/A
VAPOR PRESSURE:	N/A
SOLUBILITY (wt./wt.% in H2O @ 20oC):	41

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**FIRE AND EXPLOSION DATA**

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**FLASH POINT & METHOD:** N/A  
**FLAMMABLE LIMITS:** UEL - N/A      LEL - N/A  
**AUTO-IGNITION TEMPERATURE:** N/A  
**USUAL FIRE AND EXPLOSION HAZARDS:** This material will not support combustion. However, under fire conditions it may decompose to give off ammonia and other toxic fumes. Use standard safety precautions for finely divided powders.  
**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should wear full protective clothing and self-contained breathing apparatus (SCBA).  
**EXTINGUISHING MEDIA:** Use any available medium, although, non-flammable as supplied.

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**REACTIVITY**

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**STABILITY:** Stable.  
**CONDITIONS TO AVOID:** Excessive heat and moisture.  
**INCOMPATIBILITY:** Strong bases, sodium hypochlorite.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Ammonia and phosphoric acid, oxides of nitrogen, oxides of phosphorous.  
**HAZARDOUS POLYMERIZATION:** Will not occur.

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**HEALTH HAZARDS**

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**ROUTES OF ENTRY:**

<b>Eyes:</b>	No
<b>Skin:</b>	Yes
<b>Ingestion:</b>	Yes
<b>Inhalation:</b>	Yes

**SYMPTOMS OF EXPOSURE:** Nuisance dust. Prolonged exposure with eyes, skin or clothing may cause irritation. Ingestion of large quantities may cause symptoms of nonspecific irritation of the gastrointestinal tract. Inhalation may cause irritation to upper respiratory tract.

**CONDITIONS GENERALLY AGGRAVATED:** Skin contact may aggravate existing skin disease.

**EMERGENCY FIRST AID PROCEDURES: (as described below)**

**EYES:** Immediately flush eyes with large amounts of water for at least 15 minutes. Consult medical personnel.

**SKIN:** Wash thoroughly with plenty of soap and water for at least 5 minutes. If irritation persists, consult medical personnel.

**INGESTED:** Give several glasses of water. Do not induce vomiting. Get medical attention.

**INHALED:** Remove to fresh air; get medical attention if required.

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**HANDLING AND STORAGE**

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Keep container(s) tightly sealed when not in use. Store in a cool, dry area; avoid exposure to high temperatures and humidity. Special precautions not ordinarily required; use normal procedures for handling finely divided powders. In case of accidental spills, provide adequate ventilation; avoid generating dust. Shovel and sweep up into suitable container. Dispose of in accordance with any applicable regulations under the Resource Conservation and Recovery Act.

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**SPECIAL PROTECTION & CONTROL**

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**RESPIRATORY PROTECTION:** Use NIOSH/MSHA approved or equivalent. Recommended for dusty conditions.

**VENTILATION:** Adequate.

**EYE PROTECTION:** Safety goggles.

**GLOVES:** Impervious/rubber.

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**OTHER INFORMATION**

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**D.O.T. SHIPPING INFORMATION:** Non-Hazardous. This compound is not regulated by the Department of Transportation.

**STORAGE/TRANSPORT TEMPERATURE:** Ambient.

**STORAGE/TRANSPORT PRESSURE:** Atmospheric.