

M S D S

Material Safety Data Sheet



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Silver Nitrate

SECTION 1 PRODUCT IDENTIFICATION

NAME: Silver Nitrate, Crystal
EKI ORDER NUMBERS: 7844
SYNONYMS: N/I
CAS NO: 7761-88-8
FORMULA: AgNO_3
REVISION DATE: 15 March 2004

****LABEL HAZARD STATEMENT AND PRECAUTIONS****

DANGER! CAUSES SEVERE IRRITATION. HARMFUL IF SWALLOWED OR INHALED. OXIDIZER. CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE. MAY CAUSE ALLERGIC SKIN REACTION. Keep from contact with clothing and other combustible materials. Avoid contact with skin, eyes, and clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT/CAS NO	OSHA PEL	ACGIH TLV
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Silver Nitrate/7761-88-8	0.01 mg Ag/m ³ TWA	0.01 mg Ag/m ³ TWA

Silver Nitrate is subject to the reporting requirements of SARA 313 and 49CFR372.

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: 122%	BOILING POINT (C): 444
VAPOR PRESSURE (mm Hg): N/E	VAPOR DENSITY: N/E
SPECIFIC GRAVITY: 4.352	MELTING POINT (C): 212
EVAPORATION RATE: N/E	
APPEARANCE AND ODOR: Colorless to white crystals. Odorless.	

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): Not flammable.
AUTOIGNITION TEMPERATURE (C): Does not apply
FLAMMABLE LIMITS (%) UEL: Does not apply LEL: Does not apply
EXTINGUISHING MEDIA: Suitable for surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive-pressure mode.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Oxidizer. Contact with oxidizable materials may cause fire.

SECTION 5 REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Moisture

MATERIALS TO AVOID: Combustibles, reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: NO_x, metal oxide fumes.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE:

INHALATION: Causes severe irritation of respiratory tract.

SKIN CONTACT: Causes severe irritation. May cause burns. May cause allergic reaction.

EYE CONTACT: Causes severe irritation. May cause burns and corneal injury.

SKIN ABSORPTION: N/I

INGESTION: May cause burns, abdominal pain, vomiting and diarrhea. Large amounts may cause shock, convulsions, coma, death.

CHRONIC: May cause argyria, a permanent, grayish pigmentation of skin and mucous membranes.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Respiratory and skin ailments.

CARCINOGENICITY: None

****FIRST AID PROCEDURES****

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes, separating eyelids occasionally. Get immediate medical attention.

SKIN CONTACT: Immediately flush with water while removing contaminated clothing. Follow by washing with soap and water for 15-20 minutes. Get medical attention.

INHALATION: Remove to fresh air. Get medical attention for any breathing difficulty.

INGESTION: If conscious, give large amounts of water to drink. Get immediate medical attention.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Vacuum or scoop up and containerize for disposal.

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable federal, state, and local environmental regulations.

SECTION 8 CONTROL MEASURES

VENTILATION: Local preferred.

RESPIRATORY PROTECTION: Dust respirator if required.

EYE PROTECTION: Chemical safety goggles.

SKIN PROTECTION: Gloves, lab coat and impervious apron.

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