



Columbus Chemical Industries, Inc./ Route 2, Box 187-B/ Columbus, Wisconsin 53925/414-623-2140

MATERIAL SAFETY DATA SHEET

ENTERED OCT 10 1986		SECTION I	CAS #7761-88-8
CHEMICAL NAME AND SYNONYMS <i>Silver Nitrate</i>		TRADE NAME AND SYNONYMS <i>Silver(I) Nitrate</i>	
CHEMICAL FAMILY	FORMULA <i>AgNO₃</i>		

SECTION II—HAZARDOUS INGREDIENTS					
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
<i>This section does not apply to silver nitrate.</i>					

SECTION III—PHYSICAL DATA			
BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H ₂ O = 1)	4.35
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT, VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR = 1)	N/A	EVAPORATION RATE (____ = 1)	N/A
SOLUBILITY IN WATER @ 100°C	952 g/100 ml		
APPEARANCE AND ODOR	<i>Colorless, odorless, transparent or white crystals.</i>		

SECTION IV—FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method used)	nonflammable	FLAMMABLE LIMITS	N/A
EXTINGUISHING MEDIA	<i>Water, Carbon Dioxide</i>		
SPECIAL FIRE FIGHTING PROCEDURES	<i>wear self-contained breathing apparatus.</i>		
UNUSUAL FIRE AND EXPLOSION HAZARDS	<i>Provides oxygen to a fire and may cause it to enflame or explode.</i>		

SECTION V—HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

0.01 mg/M³

oral-mus LD₅₀: 50 mg/kg

EFFECTS OF OVEREXPOSURE

Eye and skin burns. Possible oral toxicity on high volume ingestion.

EMERGENCY AND FIRST AID PROCEDURES

Ingestion: CALL A DOCTOR - POISON!

Skin: flush well with water.

Eye: flush well with water; call a doctor.

SECTION VI—REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

INCOMPATIBILITY (Materials to avoid)

Oxidizable substances

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of nitrogen

HAZARDOUS

POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

X

CONDITIONS TO AVOID

SECTION VII—SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

The compound should be redistilled or otherwise repurified and reused.

WASTE DISPOSAL METHOD

In accordance with all local, state, and federal regulations.

SECTION VIII—SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

NIOSH approved respirator for dusts.

VENTILATION

LOCAL EXHAUST

X

SPECIAL

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES

For all contact

EYE PROTECTION

Goggles mandatory

OTHER PROTECTIVE EQUIPMENT

Rubber apron

SECTION IX—SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

None known to CCI

OTHER PRECAUTIONS

DOT Hazard: OXIDIZER