## CC **COLUMBUS CHEMICAL INDUSTRIES INC.**

**P.O. BOX 8** COLUMBUS, WISCONSIN 53925-0008 (920) 623-2140 FAX (920) 623-2577

Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements

## U.S. Department of Labor Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved

OMB No. 1218-0072

IDENTITY (as Used on Label and List) Silver Nitrate		Note:	appli		nitted. If any item is son is available, the sp te that.		
Section I							
Manufacturers /DistributorAddress Number Street City State and Zip Code			Emergency Telephone Number				
Columbus Chemical Industries, Inc.			- CHEMTREC 1-800-424-9300 - Telephone Number for Information - (920) 623-2140 Date Prepared				
N4335 Temkin Road Columbus, WI 53925							
		<u> </u>					
		01-06	6-200	4			
		Signatur	e of Pre	parer (optional)			
Section II - Hazardous Ingredients/Identity Inform	motion						
Hazardous Components (Specific Chemical Identity, Common Name(s)	CAS #	OSHA PI	ĒL	ACGIH TLV	Other Limits Recommended	% (optional)	
Silver Nitrate*	7761-88-8	0.01 mg/m <sup>3</sup>	<sup>3</sup> TWA	0.01 mg/m³ TWA	Not available	>99%	

## \*Subject to the reporting requirements of SARA Title III Section 313.

Section III - Physical/Chemical Characteristics							
Boiling Point	1	Specific Gravity (H <sub>2</sub> O = 1)		İ			
Decomposes @	440 °C (824 °F)			4.35			
Vapor Pressure (mm Hg)		Melting Point					
	Not available			212 °C (413.6 °F)			
Vapor Density (AIR = 1)		Evaporation Rate (Butyl Acetate =	= 1)				
	5.8			Not available			
Solubility in Water							
122 g / 100 cc water @ 0 °C (32 °F)							
Appearance and Odor							
Colorless to white, odorless crystals.							
Section IV Fire and Explosion Hazard Data							
Flash Point (Method Used)		Flammable Limits	LEL	UEL			
Nonflammable			Not applicable	Not applicable			
Extinguishing Media							
Use extinguishing media appropriate for surrounding fire.							
Special Fire Fighting Procedures							
Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece							
operated in positive pressure mode.							
Unusual Fire and Explosion Hazards							
Toxic gas of nitrogen oxides and silver oxides may be produced.							

Section V Reactivity Data						
Stability	Unstable					t, incompatibles, heat
Incompetibility, Black Solar	Stable	Х			and oxygen gas.	
Incompatibility Materials to A Combustible material		ide and trichlorid	de. calcium	carbide. ma	aanesium. phosph	ine, strong reducing agents.
Hazardous Decomposition of	r Byproducts		,			
Oxides of nitrogen, si	lver oxides.					
Hazardous Polymerization	May Occur		Conditions to A			
	-	X	Not applic	able.		
	Will Not Occur	Х				
Section VI Health Hazard Routes of Entry	d Data	Inhalation ?			Skin ?	Ingestion ?
		X			X	X
Health Hazards (Acute a	nd Chronic)					<u> </u>
SKIN: May cause irrit	tation and may be	e harmful if abso	rbed. EYE:	Causes eye	e irritation. INHAL	ATION: May be
Material is irritating to	the mucous me	mbranes and up	per respira	tory tract. Ma	ay cause severe i	rritation. INGESTION:
harmful if swallowed.	Toxic to lungs a	nd mucous men	nbranes. Ad	cute oral tox	icity: LD <sub>50</sub> (MOUS	E): 50 mg/kg.
Carcinogenicity		NTP		IARC Mo	onographs	OSHA REGULATED?
	_	Not listed		Not	listed	Not listed
Signs and Symtoms of E	•					
EYES: Reddening, tea	ring, irritation, blind	ness. SKIN: Skin	rash, pain, l	ourns, redden	ning, dermititis, ulcer	ations.
INGESTION: Gastroint	estinal pain, diarrhe	ea, nausea, vomiti	ing. INHALA	TION: Cough	iing, choking, shortn	ess of breath.
Medical Conditions Generally Aggravated by Exposure	Medical co	nditions that ma	y be aggra	vated by exp	posure to this proc	luct include:
Conjunctivitis of the e	eye, dermatitis of	the skin, asthma	a, emphase	ma and othe	er respiratory dise	ases.
Emergency and First Aid Pre	ocedures INGES	TION: Wash out	mouth with	water provi	ded person is con	scious. DO NOT INDUCE
VOMITING. Call a p	hysician immedia	tely. INHALATI	ON: Remov	ve to fresh a	ir. If not breathing	give artificial respiration.
						ontaminated clothing;
call a physician. EY	ES: Flush with lar	ge amounts of w	ater for at	least 15 min	utes, lifting lower	and upper eyelids.
Section VII Precautions	_	nd Use				
Steps to be Taken in Case M is Released or Spilled	Evacuate	area. Wear NIO	SH/MSHA	approved re	espirator, chemica	I-resistant goggles,
rubber boots, apron a	and rubber gloves	s. Sweep up, pla	ace in a pla	stic containe	er and hold for wa	ste disposal. Avoid raising
dust. Ventilate and v						
Waste Disposal Method	Dispose in accord	ance with all app	olicable Fe	deral, state a	and local regulatio	ns.
-					-	
Precautions to be Taken S in Handling and Storing	tore in a cool, dry	, well-ventilated	area in tigh	ntly-closed, p	plainly-labelled co	ntainers. Store in a
corrosion-resistant c						
thoroughly after handling. Do not ingest or breathe dust. Protect exposed tissues.						
Other Precautions Containers, even when empty, will retain residue and vapors. Always obey hazard warnings and						
handle empty contai	ners as if they we	ere full. Do not s	tore near c	ombustible r	materials.	
Section VII Control Mea	sures					
Respiratory Protection (Sp	ecify Type) <u>NIOSH</u>	I/MSHA-approve	ed respirato	or with dust/r	nist cartridge.	
Ventilation Local Exh	aust Necessary.			Special	Eyewash nearby	
Mechanica	I (General) Recom	nmended.		Other	Safety shower ne	earby.
Protective Gloves App	ropriate chemical	-resistant gloves	5.	Eve Pro	otection safety gog	ales
	•				<u></u>	9
Other Protective Clothing or Equipment Lab coat or apron, boots. Work /Hygienic Practices Contact lenses should not be worn when working with this material. Wash exposed areas thoroughly						
after handling. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Do not ingest						
or breathe dust. Wa						
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