

MATERIAL SAFETY DATA SHEET

PART NUMBER: 9210001
IDENTITY: FILL SOLUTION CRYSTALS
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DATE REVISED: 01/26/11
PREPARED BY: R. MORRISON
REVISED BY: T. PHILLIPS

SECTION 1--MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS	%	OSHA PEL	ACGIH TLV	OTHER LIMIT RECOMMENDED
SILVER CHLORIDE (CAS# 7783-90-6)	.4	.01mg/m ³ AS SILVER METAL		
POTASSIUM CHLORIDE (CAS# 7447-40-7)	99.6			
TOTAL	100			

No health hazard or other information is available for the solution of the mixture. The following sections are based on information obtained from <http://www.vwrsp.com/msds/10/AA1/AA11421-14.pdf> <http://www.jtbaker.com/msds/englishhtml/P5631.htm> and our best scientific understanding of the solution

SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	N/A
SPECIFIC GRAVITY (H ₂ O = 1)	1.9
VAPOR PRESSURE (mm Hg/TEMPERATURE)	N/A
MELTING POINT	770°C
VAPOR DENSITY (AIR = 1)	N/A
EVAPORATION RATE (= 1)	N/A
SOLUBILITY IN WATER	APPRECIABLE
WATER REACTIVE	NONE
APPEARANCE AND ODOR	WHITE/PURPLE CRYSTALS, ODORLESS

SECTION 3--FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD USE	N/A
AUTO IGNITION TEMPERATURE	N/A
FLAMMABILITY LIMITS IN AIR BY VOLUME	N/A
LEL	N/A
UEL	N/A
EXTINGUISHER MEDIA	N/A
SPECIAL FIRE FIGHTING PROCEDURE	N/A

UNUSUAL FIRE AND EXPLOSION HAZARD: NOT CONSIDERED A FIRE HAZARD

SECTION 4--REACTIVITY HAZARD DATA

STABILITY	STABLE <u>X</u>	UNSTABLE <u> </u>
CONDITIONS TO AVOID:	NONE	
INCOMPATIBILITY MATERIALS TO AVOID:	NONE	
HAZARDOUS DECOMPOSITION PRODUCTS:	NONE	
HAZARDOUS POLYMERIZATION:	MAY OCCUR <u> </u>	WILL NOT OCCUR <u>X</u>
HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID:	DOES NOT POLYMERIZE	

SECTION 5--HEALTH HAZARD DATA 9210001

PRIMARY ROUTES OF ENTRY: INHALATION__ SKIN ABSORPTION__
INGESTIONX NOT HAZARDOUS__

CARCINOGEN LISTED: NTP__ IRAC__ OSHA__ NOT LISTED X

HEALTH HAZARDS

ACUTE: HIGH CONCENTRATIONS OF DUST MAY CAUSE IRRITATION
CHRONIC: UNKNOWN

SIGNS AND SYMPTOMS OF EXPOSURE: RASHES, CIRCULATORY DYSFUNCTIONS, NASAL IRRITATION

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: MAY IMPAIR KIDNEY FUNCTIONS IF INGESTED

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER A MINIMUM OF 15 MINUTES.

SKIN CONTACT: WASH WITH SOAP AND WATER.

INHALATION: REMOVE TO FRESH AIR.

INGESTION: DILUTE WITH SEVERAL GLASSES OF WATER. SEEK MEDICAL ASSISTANCE IF NECESSARY.

SECTION 6--CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): NIOSHA/MSHA APPROVED RESPIRATOR

PROTECTIVE GLOVES: YES

EYE PROTECTION: YES

VENTILATION TO BE USED

LOCAL EXHAUST: RECOMMENDED

MECHANICAL (GENERAL): REQUIRED

SPECIAL OTHER (SPECIFY): N/A

PROTECTIVE CLOTHING AND EQUIPMENT: LAB COAT/APRON

HYGIENIC WORK PRACTICES: WASH HANDS THOROUGHLY WITH SOAP AND WATER. AVOID CONTACT.

SECTION 7--PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: SWEEP AND PLACE IN SAFETY CONTAINER.

WASTE DISPOSAL METHODS: DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN PLASTIC CONTAINER; ROOM TEMPERATURE.

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS: N/A

RATING:
HEALTH1 FLAMMABILITY0 REACTIVITY0 SPECIFIC__