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ENVIRONMENTAL TECHNOLOGIES GROUP INC -- SILVER METAL AND SOLUBLE SILVER COMPOUNDS (SILVER NITRATE) -- 6665-00-859-2214

===== Product Identification =====

Product ID:SILVER METAL AND SOLUBLE SILVER COMPOUNDS (SILVER NITRATE)

MSDS Date:09/01/1978

FSC:6665

NIIN:00-859-2214

Kit Part:Y

MSDS Number: BXWCR

=== Responsible Party ===

Company Name:ENVIRONMENTAL TECHNOLOGIES GROUP INC

Address:1400 TAYLOR AVE

Box:9840

City:BALTIMORE

State:MD

ZIP:21284-9840

Country:US

Info Phone Num:301-321-5200

Emergency Phone Num:301-321-5200

CAGE:23667

=== Contractor Identification ===

Company Name:ENVIRONMENTAL TECHNOLOGIES GROUP INC

Address:1400 TAYLOR AVE

Box:9840

City:BALTIMORE

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ZIP:21284-9840

Country:US

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===== Composition/Information on Ingredients =====

Ingred Name:SILVER NITRATE (SARA 313) (CERCLA)

CAS:7761-88-8

RTECS #:VW4725000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.01 MG(AG)/M3

ACGIH TLV:0.01 MG(AG)/M3; 9495

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: MAY CAUSE IRRITATION, ULCERS AND DISCOLORATION OF SKIN. IF INGESTED, MAY CAUSE ABDOMINAL PAIN AND GASTROENTERITIS. CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY

CAUSE ARGYRIA (DISCOLORATION/PIGMENTATION).

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:IRRITATION, ULCERS, DISCOLORATION OF SKIN; ABDOMINAL PAIN, GASTROENTERITIS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====

First Aid:EYES-FLUSH WITH LOTS OF WATER FOR 15 MINUTES, LIFT

LIDS. GET

MEDICAL ATTENTION IMMEDIATELY. SKIN-REMOVE CONTAMINATED CLOTHES.

FLUSH WITH WATER. GET MEDICAL ATTENTION IF SYMPTOMS DEVELOP.

INHALED-REMOVE TO FRESH AIR. IF BREATHING STOPPED, GIVE ARTIFICIAL

RESPIRATION. GET MEDICAL ATTENTION. INGESTED-DO NOT INDUCE

VOMITING! IF CONSCIOUS, GIVE LOTS OF WATER. GET IMMEDIATE MEDICAL

ATTENTION.

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===== Fire Fighting Measures =====

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard:SILVER NITRATE IS A STRONG OXIDIZING MATERIAL CAPABLE OF INCREASING THE FLAMMABILITY OF COMBUSTIBLE, ORGANIC OR OTHER READILY OXIDIZABLE MATERIALS.

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===== Accidental Release Measures =====

Spill Release Procedures:ISOLATE & DENY ENTRY. WEAR PROPER PROTECTIVE CLOTHING/EQUIPMENT. VENTILATE AREA

OF SPILL OR LEAK. ABSORB ON
INERT MATERIAL AND PLACE IN A CONTAINER FOR LATER DISPOSAL.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED
PLACE AWAY FROM HEAT AND INCOMPATIBLE MATERIALS.
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF ENGINEERING CONTR
OLS FAIL OR NON-ROUTINE USE
OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR
AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE
WITH 29 CFR 1910.13 4 AND MANUFACTURER'S RECOMMENDATIONS.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO
MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NEOPRENE.

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER. RUBBER
BOOTS, APR

ON.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

KEY1=D1. MSDS IF PART D OF 4 PART KIT. HCC IS BASED ON PNI B. NOTE:
DISPOSAL DATA- EPA/RCRA WASTE NUMBER D011 MAY APPLY TO
UNUSED/UNCONTAMINATED PRODUCT (PER DEMIL INTRUCTIONS).

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===== Physical/Chemical Properties =====

HCC:D1

Boiling Pt:B.P. Text:772F,411C

Melt/Freeze Pt:M.P/F.P Text:408F
,209C

Decomp Temp:Decomp Text:772F,411C

Vapor Pres:NEGLIGIBLE

Spec Gravity:4.4

Solubility in Water:APPRECIABLE

Appearance and Odor:COLORLESS TO GREY SOLID; ODORLESS.

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ACETYLENE, AMMONIA, STRONG HYDROGEN PEROXIDE; MAY ATTACK SOME FORMS OF
PLASTICS, RUBBER, COATINGS.

Stability Condition to Avoid:HEAT; CONTACT WITH INCOMPATIBLE MATERIALS.

Hazardous Decomposition Products:TOXIC GASES A

ND VAPORS (EG OXIDES OF
NITROGEN) MAY BE RELEASED WHEN DECOMPOSED.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Considerations =====

Waste Disposal Methods:SILVER METAL AND SOLUBLE SILVER COMPOUNDS MAY BE
DISPOSED OF IN SEALED CONTAINERS IN A SECURED SANITARY LANDFILL.
DEMILITARIZATION WILL BE PER DRMS-H 4160.3 VOL 1 CHAPTER XVIII-3,
SEPTEMBER 1990.

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