

METZ METALLURGICAL CORP. -- DIVALENT SILVER OXIDE -- 6140-00-889-1027

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

Product ID:DIVALENT SILVER OXIDE

MSDS Date:11/01/1985

FSC:6140

NIIN:00-889-1027

MSDS Number: BRPFJ

=== Responsible Party ===

Company Name:METZ METALLURGICAL CORP.

Address:3900 SOUTH CLINTON AVENUE

City:SOUTH PLAINFIELD

State:NJ

ZIP:07080

Country:US

Info Phone Num:908-561-1100

Emergency Phone Num:908-561-1100

Preparer's Name:S. WOLENUK

CAGE:40057

=== Contrac

tor Identification ===

Company Name:EAGLE PICHER INDUSTRIES

Address:BETHEL RD

Box:130

City:SENECA

State:MO

ZIP:64865

Country:US

Phone:417-776-2256

CAGE:9H651

Company Name:METZ METALLURGICAL CORP.

Address:3900 SOUTH CLINTON AVENUE

Box:City:SOUTH PLAINFIELD

State:NJ

ZIP:07080

Country:US

Phone:908-561-1100

CAGE:40057

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

Ingred Name:SILVER OXIDE: BATTERY CONTAINS 12.88 TROY OUNCES PER
MONOBLOCK; THERE ARE 4 MONOBLOCKS; 51.52 TRO

Y OUNCES TOTAL.
CAS:1301-96-8
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION MAY CAUSE
RESPIRATORY IRRITATION. CONTACT MAY CAUSE BURNS TO SKIN, POSSIBLY
STAINS TO SKIN. NO HEALTH EFFECTS GIVEN FOR SWALLOWING. CHRONIC:
PROLONGED OR REPEATED EXPOSURE MAY CAUSE DERMATITIS.

Explanation of Carcinogenicity:SILVER OXIDE IS NOT LISTED BY NTP, IARC,
OR OSHA AS A CARCINOGEN.
Effects of Overexposure:INHALED: COUGHING, SNEEZING, METALLIC TASTE IN
MOUTH. SKIN: STAINS TO SKIN, BURNING SENSATION, DISCOMFORT, RASH.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALED: MOVE TO FRESH AIR. SKIN: WASH WITH SOAP AND WATER.

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

Flash Point:NONE
Extinguishing Media:DRY CHEMICAL OR CARBON DIOXIDE
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
BUNKER GEAR. REMOVE FLAMMABLE MATERIALS IF FEASIBLE AND NO RISK
INVOLVED.
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:PRECAUTIONS AS WITH ANY DUSTY OXIDIZER
MATERIAL. STORE IN A COOL, DRY PLACE AWAY FROM HEAT OR FLAMES AND
INCOMPATIBLE MATERIALS.
Other Precautions:AVOID CONTACT WITH SKIN AND EYES. NO EATING,
DRINKING, OR SMOKING IN WORK AREAS.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR EMERGENCY
OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR OR SUPPLIED AIR

RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:RUBBER, PVC IF SPILLED

Eye Protection:SAFETY GLASSES

Other Protective Equipment:CLOTHING TO PREVENT PROLONGED OR REPEATED SKIN CONTACT.

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

Supplemental Safety and Health

HCC BASED ON ITEM OF SUPPLY/ELECTROLYTE. MANUFACTURE

R GAVE MSDS FROM

RAW MATERIAL PRODUCERS. MSDS FOR OTHER COMPONENTS/ELEMENTS ARE UNDER THIS NSN AND THE FOLLOWING CAGE CODES: 1F136, 56894, 1B464.

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

HCC:Z7

Spec Gravity:7.22 (WATER=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:BROWNISH-BLACK, ODORLESS. FOUND IN SILVER-ZINC BATTERY

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

Stability Indicator/Materials to Avoid:YES

AMMONIUM HYDROXID

E, REDUCING CHEMICALS, ORGANIC SUBSTANCES.

Stability Condition to Avoid:TEMPERATURES ABOVE 200C AND MOISTURE. CONTACT WITH INCOMPATIBLE MATERIALS.

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:RECLAIM IF POSSIBLE. DISPOSE OF IN ACORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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