

POLYMET CORPORATION -- PWA-694 -- 3439-00-015-3776

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Product Identification
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Product ID:PWA-694

MSDS Date:01/01/1987

FSC:3439

NIIN:00-015-3776

MSDS Number: BCVJT

=== Responsible Party ===

Company Name:POLYMET CORPORATION

Emergency Phone Num:(513)874-3586

CAGE:JO817

=== Contractor Identification ===

Company Name:POLYMET CORP

Address:4505 MULHAUSER RD

Box:City:HAMILTON

State:OH

ZIP:45011

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Country:US

CAGE:55596

Company Name:POLYMET CORPORATION

CAGE:JO817

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Composition/Information on Ingredients
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Ingred Name:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 40.6%

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

Ingred Name:CHROMIUM (SARA III)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 28%

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:TUNGSTEN

CAS:7440-33-7

RTECS #:YO7175000

Fraction by Wt: 19%

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SHA PEL:5 MG/M3/ 10 STEL
ACGIH TLV:5 MG/M3/10 STEL;9192

Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 5%
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingred Name:IRON,CAS#7439-89-6
CAS:7439-89-6
RTECS #:NO4565500
Fraction by Wt: 3%
ACGIH TLV:5MG/CUM(MFR)

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

Effects of Overexposure:METALLIC TASTE,NAUSEA,TIGHTNESS OF CHEST,FEVER,DIZZINESS.EYE,NOSE,THROAT DRYNESS AND IRRITATION.

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

First Aid:REMOVE FROM EXPOSURE AND OBTAIN PROMPT MEDICAL ATTENTION.IF UNCONSCIOUS,GIVE OXYGEN.IF NOT BREATHING GIVE CPR.EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY AMERICAN RED CROSS.

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

Extinguishing Media:EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE
Fire Fighting Procedures:IF IN PWDR FORM,USE DRY SAND,DRY GRAPHITE,CLASS D EXTINGUISH
Unusual Fire/Explosion
Hazard:WELDING ARC AND SPARKS CAN IGNITE COMBUSTIBLE PRODUCTS.

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

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUE AND PLACE IN SUITABLE DOT APPROVED DISPOSAL CONTAINER.IF IN POWDER FORM USE HIGH EFFICIENCY PARTICULATE FILTER SYSTEM.

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

Other Precautions:TRAIN WELDER TO KEEP HIS HEAD OUT OF THE FUMES.MONITOR AIR TO ENSURE ACCEPT

ABLE EXPOSURES.AVOID ELECTRICAL
SHOCK BY MAINTAINING DRY WORK AREA.

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

Respiratory Protection:FUME RESP.OR AIR SUPPLIED RESP.IN CONFINED
SPACES.

Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV.

Protective Gloves:WELDER'S GLOVES

Eye Protection:FACE SHLD W/FILTER LENS.

Other Protective Equipment:SUBST.DK.CLOTH,ARM
PROTECTOR,APRON,HAT,SHOULDR.PROTECTION.

Supplemental Safety and Health

OTHER INGRED:MN 1.0%;SI 1.0%;VA 1.0%;C

ARBON 0.85%/MSDS DATED

05-12-86/OLD FORMULATION SHOWN ON P/N IND A.

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

HCC:N1

Spec Gravity:8.75

Appearance and Odor:SOLID-SILVER GRAY COLOR-NO ODOR

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

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:AVOID CONTACT W.MINERAL ACIDS AND
OXIDIZING AGENTS.

Hazardous Decomposition Products:FUMES OF METALS AND METAL
OXIDES,CO,NO*2,O*3

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS.

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