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## POWDER ALLOY CORP -- PAC90C METAL ALLOY POWDER -- 3439-01-030-6128

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

Product ID:PAC90C METAL ALLOY POWDER

MSDS Date:01/29/1996

FSC:3439

NIIN:01-030-6128

MSDS Number: CCVSM === Responsible Party ===

Company Name: POWDER ALLOY CORP Address: 12036 COOPERWOOD LN

City:CINCINNATI

State:OH

ZIP:45242-6321 Country:US

Info Phone Num:513-984-4016 Emergency Phone Num:513-984-401

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CAGE:56923

=== Contractor Identification ===

Company Name: POWDER ALLOY CORP Address: 12036 COOPERWOOD LN

Box:City:CINCINNATI

State:OH

ZIP:45242-6321 Country:US

Phone:513-984-4016

CAGE:56923

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

Ingred Name: COBALT (SARA 313)

CAS:7440-48-4

RTECS #:GF8750000 Fraction by Wt: 44-64%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.02 MG/M3; A3; 9596

Ingred Name: CHROMIUM (SARA 313) (CERCLA)

CAS:7440-47-3 RTECS #:GB420 0000

Fraction by Wt: 24-27%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9596

EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name: NICKEL (SARA 313) (CERCLA)

CAS:7440-02-0

RTECS #:QR5950000 Fraction by Wt: 9-12%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9596

Ingred Name:TUNGSTEN, AS W, SOLUBLE COMPOUNDS.

CAS:7440-33-7

RTECS #:YO7175000 Fraction by Wt: 7-9%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:NOE ESTABLISHED ACGIH TLV:1 MG/M3/3 STEL; 9596

In

gred Name:IRON CAS:7439-89-6 RTECS #:NO4565500

Fraction by Wt: 0-2%

Other REC Limits: NONE RECOMMENDED

Ingred Name: MANGANESE (SARA 313)

CAS:7439-96-5

RTECS #:OO9275000 Fraction by Wt: 0-1%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:C, 5 MG/M3 (FUME) ACGIH TLV:0.2 MG/M3; 9596

Ingred Name: SILICON

CAS:7440-21-3

RTECS #:VW0400000 Fraction by Wt: 0-1%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9596

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

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LD50 LC50 Mixture: NOT GIVEN FOR PRODUCT AS A WHOLE

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:SKIN CONTACT MAY CAUSE DERMATITIS. EYE CONTACT MAY CAUSE IRRITATION AND REDNESS. INHALATION MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT. INGESTION MAY CAUSE NAUSEA, VOMITING AND DIARRHEA. CHRONIC SKIN CONTACT MAY LEAD TO LESIONS AND REDNESS. CHRONIC INHALATION MAY CAUSE FIBRO

TIC DISEASE.

Explanation of Carcinogenicity:THIS MATERAIAL MAY CONTAIN NICKEL AND/OR CHROMIUM. CHROMIUM IS LISTED AS A HUMAN CARCINOGEN AND NICKEL IS PROBABLE.

Effects of Overexposure:DERMATITIS, EYE IRRITATION/REDNESS, UPPER RESPIRATORY TRACT IRRITATION, NAUSEA, VOMITING, DIARRHEA, LESIONS, SKIN REDNESS, FIBROTIC DISEASE.

Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid:EYES: FLUS

H WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS
OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.
WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL
ATTENTION. INH ALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET
MEDICAL ATTENTION. INGESTION: INDUCE VOMITING. CONSULT A PHYSICIAN.

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

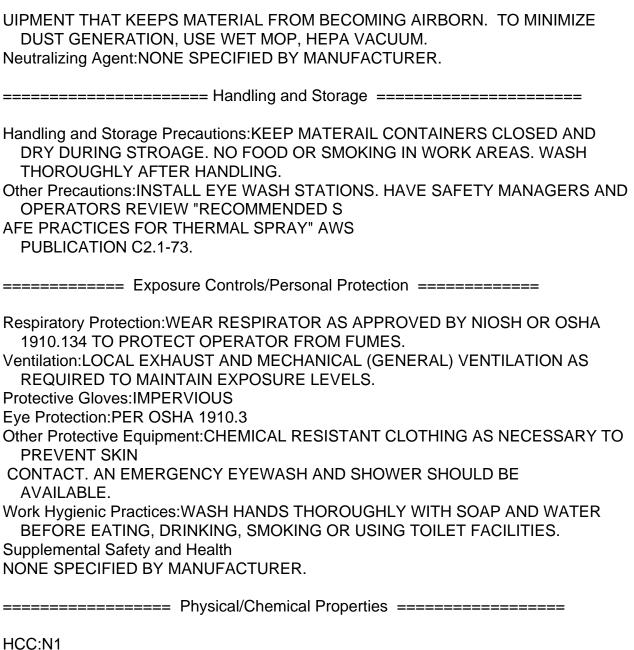
Flash Point:NONFLAMMABLE Lower Limits:NOT GIVEN Upper Limits:NOT GIVEN Extinguishing Media:USE CLASS "D" FIRE EXTINGUISHER

Fire Fighting Procedures:SELF CONTAINED BREATHING APPARATUS SHOULD BE WORN. COMPLY WITH NFPA51B STANDARD FOR FIRE PREVENTION IN THE USE OF CUTTING AND WELDING PROCESSES.

Unusual Fire/Explosion Hazard:MODERATE FIRE HAZARD IN THE FORM OF DUST OR ACCUMULATION OF SUCH. IN ADDITION, MINIMIZE AIRBORNE POWDER PARTICLES.

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

Spill Release Procedures:USE RESPIRATORY EQUIPMENT DURING CLEANUP. USE EQ



Boiling Pt:B.P. Text:NOT GIVEN Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN Vapor Pres:NOT GIVEN Vapor Density:NOT GIVEN

Spec Gravity: NOT GIVEN Evaporation Rate & amp; R

eference:NOT GIVEN Solubility in Water:INSOLUBLE Appearance and Odor:GRAY METALLIC POWDER WITH NO APPRECIABLE ODOR Percent Volatiles by Volume:NIL
======== Stability and Reactivity Data =========

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:OZONE AND NITRIC OXIDE ARE FORMED DURING SPRAYING.

	Disposal Considerations	========
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Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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