

VALIMET INC (FORMELY:VALLEY METALLURGICAL PROC CO) -- ALUMINUM POWDER, UNCOATED (ATOMIZED) -- 3439-01-130-2020

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

Product ID:ALUMINUM POWDER, UNCOATED (ATOMIZED)

MSDS Date:05/01/1994

FSC:3439

NIIN:01-130-2020

MSDS Number: BTHPJ

=== Responsible Party ===

Company Name:VALIMET INC (FORMELY:VALLEY METALLURGICAL PROC CO)

Address:431 E SPERRY ROAD

City:STOCKTON

State:CA

ZIP:95206-3907

Country:US

Info Phone Num:209-982-4870

Emergency Phone Num:800-424-9300(CHEMTREC)

Preparer's Name:D.L. OBERHOLTZER

CAGE:NO010

=== Contractor Identification ===

Company Name:VALIMET INC (FORMELY:VALLEY METALLURGICAL PROC CO)

Address:431 E SPERRY ROAD

Box:City:STOCKTON

State:CA

ZIP:95206-3907

Country:US

Phone:209-982-4870

CAGE:NO010

Company Name:VALIMET INC-FORMERLY VALLEY METALLURGICAL PROCESS.

Address:431 E SPERRY RD

Box:City:STOCKTON

State:CA

ZIP:95206

Country:US

Phone:209-982-48

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CAGE:6E834

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

Ingred Name:BASE METAL

Fraction by Wt: SEE #2%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ALUMINUM (SARA 313)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 79-99.7%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 DUST

ACGIH TLV:10 MG/M3 DUST; 9495

Ingred Name:COBALT (SARA 313)

CAS:7440-48-4

RTECS #:GF8750000

Fraction by Wt: 0-0.5%

M3; A3; 9495

Ingred Name:COPPER (SARA 313) (CERCLA)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 0-21.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2 MG/M3 FUME; 9495

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:CHROMIUM (SARA 313) (CERCLA)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 0-0.4%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9495

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565

500

Fraction by Wt: 0-0.4%

Other REC Limits:NONE RECOMMENDED

Ingred Name:LITHIUM

CAS:7439-93-2

RTECS #:OJ5540000

Fraction by Wt: 0-4.0%

Other REC Limits:NONE RECOMMENDED

Ingred Name:MAGNESIUM

CAS:7439-95-4

RTECS #:OM2100000

Fraction by Wt: 0-1.2%

Other REC Limits:NONE RECOMMENDED

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Fraction by Wt: 0-0.5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9495

Ingred Name:TITANIUM,

CAS:7440-32-6

RTECS #:XR17000

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Fraction by Wt: 0-0.1%

Other REC Limits:NONE RECOMMENDED

Ingred Name:VANADIUM (SARA 313)

CAS:7440-62-2

RTECS #:YW1355000

Fraction by Wt: 0-0.2%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ZINC (SARA III)

CAS:7440-66-6

RTECS #:ZG8600000

Fraction by Wt: 0-8.0%

Other REC Limits:NONE RECOMMENDED

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE (SARA 313)

CAS:7439-96-5

RTECS #:OO9275000

Fraction by Wt: 0-1.2%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 5 MG/M3 DUST

ACGIH TLV:5

MG/M3 DUST 9495

Ingred Name:ALLOY/ALLOYING ELEMENT(S), CONSISTS OF INGREDIENTS #3-13.

SOME OR ALL MAY BE PRESENT.

Fraction by Wt: #3-13%

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE:PER MFG'S MSDS UNKNOWN. CHRONIC:

ALUMINUM DUST IS CONSIDERED TO BE A NUISANCE PARTICULATE & IS N

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GENERALLY CLASSIFIED AS AN INDUSTRIAL POISON. CONTINUED EXPOSURE TO CONCENTRATIONS ABOVE RECOMMENDED TLV MAY CAUSE IRRITATION OF EYE, MUCOUS MEMBRANES & UPPER RESPIRATORY TRACT.

Explanation of Carcinogenicity:CHROMIUM (HEXAVALENT) IS LISTED AS A CARCINOGEN BY NTP & IARC.

Effects of Overexposure:REDNESS IN EYES, SNEEZING, RUNNY NOSE, SORE THROAT, WHEEZING, COUGHING.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures

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First Aid:INHALED-REMOVE FROM EXPOSURE. IF NOT BREATHING, GIVE MOUTH-TO-MOUTH RESUCITATION. CONSULT A PHYSICIAN IMMEDIATELY. EYE-REMOVE FROM EXPOSURE.FLUSH FOR A MINIMUM OF 15MINS WITH A STERILE EYEWASH SOLUTIO N. CONSULT A PHYSICIAN IMMEDIATELY. SKIN-WASH WITH SOAP & WATER. INGESTION-NONE SPECIFIED BY MANUFACTURER.

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Fire Fighting Measures =====

Flash Point:NONE

Lower Limits:SEE SUPPLEME

Extinguishing Media:T  
YPE D.

Fire Fighting Procedures:AVOID WATER, HALOGENATED EXT AGENTS. AVOID DUST GENERATION. COVER TO ELIMNATE OXYGEN. ISOLATE BURNING MATL W/RING OF DRY SAND OR TYP D EXT. DON'T MOVE TIL COOL.

Unusual Fire/Explosion Hazard:REACTS W/WATER, ACIDS, ALKALIES TO PRODUCE HYDROGEN. DUST/AIR MIXTURE MAY EXPLODE VIOLENTLY WHEN IGNITED. HI HEAT OF FIRE MAY CAUSE UNDERLYING CONCRETE TO FRACT

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Accidental Release Measures =====

Spill Release Procedures:RESEA

L CONTAINER. REMOVE ALL SOURCES OF IGNITION. USE NON-SPARKING CONDUCTIVE TOOLS TO TRANSFER SPILLED MATL TO LEAK-PROOF CONTAINER. AVOID GENERATION OF DUST CLOUD DURING CLEAN-UP.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage =====

Handling and Storage Precautions:AVOID ACCUMULATION OF DUST. DON'T STORE IN AREAS PROTECTED BY AUTOMATIC SPRINKLER SYSTEMS OR W/OXIDIZING MATLS. USE PROPER GROUNDING OF ELECTRICAL EQ

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Other Precautions:BOND CONTAINERS DURING TRANSFER OPERATIONS. ALL ELECTRICAL EQUIPT MUST BE SUITABLE FOR CLS II GROUP E LOCATIONS. AVOID STATIC BUILDUP & DISCHARGE. FOR MORE INFO SEE NFPA #65,77,651 FROM NFPA, QUINCY, MA. ALSO TR-2 FROM AL PIG & POWDR, WASHI

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Exposure Controls/Personal Protection =====

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR AN AIR-SUPPL

IED RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.134 AND MANUFACTURER'S RECOMMENDATIONS.  
Ventilation: LOCAL EXHAUST WHERE TLV IS EXCEEDED. NOTE: VENTILATION SYSTEMS MUST BE EXPLOSION PROOF.

Protective Gloves: AS NEEDED & ELECTRICALLY CONDUCTIVE.

Eye Protection: SAFETY GLASSES, GOGGLES, FULL FACE SHIELD

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

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

Supplemental Safety and Health

FLAMMABLE LIMITS IN AIR: 2-3 OZ/100FT<sup>3</sup>.

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

HCC: N1

Spec Gravity: 2.7

Solubility in Water: INSOLUBLE

Appearance and Odor: GRANULAR METAL POWDER OF GRAYISH COLOR WITH NO ODOR.

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

Stability Indicator/Materials to Avoid: YES

WATER, ACIDS, ALKALIS, HALOGENATED HYDROCARBONS, OXIDIZERS.

Stability Condition to Avoid

id: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: EXOTHERMIC REACTION W/WATER, ACIDS, ALKALIS, TO GENERATE HYDROGEN AND HEAT.

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

Waste Disposal Methods: AL IS NOT LISTED AS A TOXIC/HAZ WASTE; HOWEVER, AL POWDERS MAY MEET THE CRITERIA FOR WATER REACTIVE MATERIALS & MAY BE REGULATED AS SUCH. DISPOSE OF IAW ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS OR CONTACT MG FOR INFO FOR RECYCLING.

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