

VALIMET INC-FORMERLY VALLEY METALLURGICAL PROCESS. -- ALUMINUM POWDER,UNCOATED
(ATOMIZED) -- 3439-01-130-2020

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Product Identification
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Product ID:ALUMINUM POWDER,UNCOATED (ATOMIZED)

MSDS Date:11/01/1995

FSC:3439

NIIN:01-130-2020

MSDS Number: CFYYY

=== Responsible Party ===

Company Name:VALIMET INC-FORMERLY VALLEY METALLURGICAL PROCESS.

Address:431 E SPERRY RD

City:STOCKTON

State:CA

ZIP:

95206

Country:US

Info Phone Num:209-982-4870

Emergency Phone Num:209-982-4870/800-424-9300(CHEMTREC)

Preparer's Name:D.L. OBERHOLTZER

CAGE:6E834

=== Contractor Identification ===

Company Name:VALIMET INC-FORMERLY VALLEY METALLURGICAL PROCESS.

Address:431 E SPERRY RD

Box:City:STOCKTON

State:CA

ZIP:95206

Country:US

Phone:209-982-4870

CAGE:6E834

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Composition/Information on Ingredients
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Ingred Name:ALUMINUM (SARA 313) (BASE METAL)

CAS:7429-90-5

RTECS #:BD0330000

Fractio

n by Wt: 79-99.7%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 DUST

ACGIH TLV:10 MG/M3 DUST; 9596

Ingred Name:COBALT (SARA 313)

CAS:7440-48-4

RTECS #:GF8750000

Fraction by Wt: 0-0.5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.02 MG/M3; A3; 9596

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; 9596

000 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; 9596

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

Fraction by Wt: 0-0.4%

Other REC Limits:NONE RECOMMENDED

Ingred Name:LITHIUM METAL

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

Fracti

on by Wt: 0-1.2%

Other REC Limits:NONE RECOMMENDED

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 (FUME)

ACGIH TLV:0.2 MG/M3; 9596

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Fraction by Wt: 0-0.8%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:TITANIUM

CAS:7440-32-6

RTECS #:XR1700000

Fraction by Wt: 0-0.1%

Other REC Limits:NONE RECOMMEND

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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 313) (CERCLA)
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:SOME OR ALL OF ALLOYING ELEMENTS (INGREDS 2-12) MAY BE
PRESENT.REFER TO TEST DATA SHEET TO DETERMINE EXACT COMPOSITION.
Fraction by Wt: NA
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:UNKNOWN.CHRONIC:AL DUST
CONSIDERED TO BE NUISANCE PARTICULATE & NOT GENERALLY CLASSED AS
INDUSTRIAL POISON.CONT EXPO TO CONCEN ABOVE RECOMMENDED TLV MAY
CAUSE IRRIT OF EYE/MUCOUS MEMBRANES/UPPER RESP TRACT.
Explanation of Carcinogenic
ity:PER MSS:ALUMINUM NOT LISTED AS
CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA/NTP/IARC.
Effects of Overexposure:IRRITATION OF EYE/MUCOUS MEMBRANES/UPPER
RESPIRATORY TRACT.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHAL:REMOVE FROM EXPO.SUBJ NOT BREATHING FOLLOW STANDARD
PROCEDURES.CONSULT PHYSICIAN IMMED.EYE:REMOVE FROM EXPO.WASH FOR
MINIMUM OF 15MINS W/STERILE EYEWASH SOLU

TION.CONCONSULT PHYSICIAN

IMMED.SKIN:REMOVE FROM EXPO.WASH W/SOAP/WATER.INGEST:NONE.

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

Flash Point:NA

Autoignition Temp:Autoignition Temp Text:NP

Lower Limits:2-3OZ/100FT3

Upper Limits:NP

Extinguishing Media:TYPE D.

Fire Fighting Procedures:AVOID WATER/HALOGENATED EXTINGUISHING AGENTS.AVOID GENERATION OF DUST.COVER TO ELIMINATE OXY.ISOLATE BURNING AMTL W/RING OF DRY SAND OR TYPE D EXTING.(SUPPLE)

Unusual Fire/Explosio

n Hazard:RXS W/WATER,ACIDS,ALKALIES TO PRODUCE HYDROGEN.DUST/AIR MIX MAY EXPLO VIOLENTLY WHEN IGNITED.HIGH HEAT OF FIRE MAY CAUSE UNDERLYING CONCRETE TO FRACTURE.

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

Spill Release Procedures:RESEAL CNTNR.REMOVEALL IGN SOURCES.USE NON-SPARK CONDUCTIVE TOOLS TO TRANSFER SPILL MATL TO LEAK-PROOF CNTNR.AVOID GENERATION OF DUST CLOUD DURING CLEANUP.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DONT STORE IN AREA PROTECTED BY AUTO SPRINKLER SYS.DONT STORE W/OXIDIZ MATL.PROPER GROUNDING FO ELECTR EQPMT ESSENTIAL.USE NON-SPARK,CONDUCTIVE TOOLS.

Other Precautions:PROPER BONDING OF CNTNR DURING TRANSF OPERATIONS ESSENTIAL.ALL ELECT EPQMT MUST BE SUITABLE FOR CLASS II GROUP E LOCATIONS.AVOID STATIC BUILDUP/DISCHARGE.NO SMOKING.REF:AL ASSOC BULLETIN TR-2,NFPA#65, NFPA #77,NFPA #651.

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

Respiratory Protection:WHERE EXPO EXCEEDS TLV USE APPROVED NUISANCE DUST MASK:3M 8710 OR EQUIVALENT.

Ventilation:LOCAL EXHAUST WHERE TLV IS EXCEEDED.NOTE:VENTILATION SYSTEMS MUST BE EXPLOSION PROOF.

Protective Gloves:AS NEEDED

Eye Protection:SAF GLASSES,GOGG,FULL FCSHIELD.

Other Protective Equipment:GLOVE MATL SHOULD BE ELECTRICALLY CONDUCTIVE TO AVOID STATIC BUILUP/DISCHARGE.COVERALLS SHOULD BE DESIGNED IN SUCH(SUPP

)
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIREFIGHT:DONT DISTURB BURNING POWDER UNTIL COMPLETELY COOL. OTHER PROT
EQPMT:A WAY AS TO PRECLUDE ACCUMULATION OF DUST IN
CUFFS,POCKETS,ETC. DISPO:TITLE III & SUBJ TO ANNUAL EMISSION
REPORTING REQMTS THEREIN.

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

HCC:N1

Boiling Pt:B.P. Text:NP

Melt/Freeze Pt:M.P/F.P Text:NP

Decomp Temp:Decomp Text:NP

Vapor Pres:NP

Vapor Density:

NA

Spec Gravity:2.7

pH:NP

Viscosity:NP

Evaporation Rate & Reference:NA

Solubility in Water:INSOLUBLE

Appearance and Odor:GRANULAR METAL POWDER, GRAYISH COLOR, ODORLESS

Percent Volatiles by Volume:NA

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

WATER,ACIDS,ALKALIS,HALOGENATED HYDROCARBONS,OXIDIZERS.SEE NFPA 491M

"MANUAL OF HAZ CHEM RXS" FOR FURTHER INFO.

Stability Condition to Avoid:AVOID ACCUMMULATIONS
OF DUST.

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

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

Waste Disposal Methods:AL NOT LISTED AS TOXIC OR HAZ WASTE.HOWEVER AL
POWDERS MAY MEET CRITERAI FOR WATER RX MATLS & MAY BE REGULATED AS
SUCH.DISPO OF IAW ALL APPLIC FED/STATE/LOC REGS OR CONTACT MFG FOR
INFO REGARDING RECY LCING.AL DUST LISTED UNDER SEC 313 SARA(SUPPLE)

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