

METALLURGICAL TECHNOLOGIES,INC -- METEC 4080C -- 3439-01-392-7039

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

Product ID:METEC 4080C  
MSDS Date:03/21/1994  
FSC:3439  
NIIN:01-392-7039  
MSDS Number: BYGCF  
=== Responsible Party ===  
Company Name:METALLURGICAL TECHNOLOGIES,INC  
Address:14435 MAX ROAD  
City:PEARLAND  
State:TX  
ZIP:77581  
Country:US  
Info Phone Num:713-485-7765  
Emergency Phone Num:713-485-7765  
CAGE:63726

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== Contractor Identification ===  
Company Name:METALLURGICAL TECHNOLOGIES,INC  
Address:14435 MAX ROAD  
Box:City:PEARLAND  
State:TX  
ZIP:77581  
Country:US  
Phone:713-485-7765  
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===== Composition/Information on Ingredients =====

Ingred Name:TUNGSTEN CARBIDE  
CAS:12070-12-1  
RTECS #:YO7250000  
Fraction by Wt: 44%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG W/M3  
ACGIH TLV:5 MG W/M3

Ingred Name:NICKEL  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 40.2%  
Other REC Limits:NONE

RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3

Ingred Name:COBALT  
CAS:7440-48-4  
RTECS #:GF8750000  
Fraction by Wt: 6%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1 MG/M3  
ACGIH TLV:0.1 MG/M3

Ingred Name:CHROMIUM  
CAS:7440-47-3  
RTECS #:GB4200000  
Fraction by Wt: 6%  
Other REC Limits:NONE RECOMMENDED  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:SILICON  
CAS:7440-21-3  
RTECS #:VW0400000  
Fraction by Wt: 1.5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ALUMINUM  
CAS:7429-90-5  
RTECS #:BD0330000  
Fracti  
on by Wt: 0.7%  
Other REC Limits:NONE RECOMMENDED  
ACGIH TLV:10 MG/M3

Ingred Name:BORON  
CAS:7440-42-8  
RTECS #:ED7350000  
Fraction by Wt: 1.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG B203/M3  
ACGIH TLV:10 MG B2O3/M3

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

Flash Point:NA  
Lower Limits:NA  
Upper Limits:NA  
Extinguishing Media:GRAPHITE, DOLOMITE OR SODIUM CHLORIDE.  
Fire Fighting Procedures:DO NOT USE WATER.  
Unusual Fire/Explosion Hazard:NOT CONSIDERED FLAMMABLE; HOW

EVER, FINELY

DIVIDED POWDER IN THE FORM OF A DUST CLOUD CAN IGNITE IF CONTACTED BY AN IGNITION SOURCE.

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

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:2000F,1093C

Decomp Temp:Decomp Text:NA

Vapor Pres:1 MM

Vapor Density:NA

Spec Gravity:9.8

pH:NA

Viscosity:NA

Evaporation Rate & Reference:NA

Solubility in

Water:INSOLUBLE.

Appearance and Odor:METALLIC GREY POWDER.

Percent Volatiles by Volume:NA

Corrosion Rate:NA

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

Stability Indicator/Materials to Avoid:YES

PURE OXYGEN OR OTHER OXIDIZERS.

Stability Condition to Avoid:GENERATION OF AIRBORNE DUST.

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