

METALLURGICAL TECHNOLOGIES,INC -- METEC 4011C -- 3439-01-386-0416

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Product Identification  
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Product ID:METEC 4011C  
MSDS Date:04/10/1991  
FSC:3439  
NIIN:01-386-0416  
MSDS Number: BYHMG  
=== 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  
CAGE:63726

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Composition/Information on Ingredients  
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Ingred Name:NICKEL  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 80%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3

Ingred Name:ALUMINIUM  
CAS:7429-90-5  
RTECS #:BD0330000  
Fraction by Wt: 20%  
Other REC Limits:NONE RECOMMENDED

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==== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: ACUTE-BRONCHITIS.  
CHRONIC-SIDEROSIS. EYE CONTACT: ACUTE-MECHANICAL IRRITATION.  
CHRONIC-CONJUNCTIVITIS.  
Explanation of Carcinogenicity:NICKEL METAL IS DEEMED A POSSIBLE CANCER  
HAZARD BY NTP. IARC HAS DESIGNATED NICKEL/NICKEL COMPOUNDS AS HUMAN  
CARCINOGENS

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Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.  
Medical Cond Aggravated by Exposure:MAY CAUSE ALLERGIC SKIN REACTIONS  
OR ASTHMA IN INDIVIDUALS SENSITIVE TO NICKEL.

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

First Aid:EYES-IRRIGATE WITH WATER FOR AT LEAST 15 MIN. SKIN-WASH OFF  
IN FLOWING WATER. INGESTION-INDUCE VOMITING IF LARGE AMOUNTS ARE  
INGESTED. INHALATION-REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT  
PHYSICIA N.

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

Flash Point:NA  
Autoignition Temp:Autoignition Temp Text:NA  
Lower Limits:NA  
Upper Limits:NA  
Extinguishing Media:SALT, DRY SAND, TYPE D EXTINGUISHER.  
Fire Fighting Procedures:DO NOT USE WATER. DO NOT DISTURB BURNING  
POWDER UNTIL COOL.  
Unusual Fire/Explosion Hazard:NOT CONSIDERED FLAMMABLE; HOWEVER, FINELY  
DIVIDED POWDER IN THE FORM OF A DUST CLOUD CAN IGNITE IF CONTACTED  
BY AN IGNITION SOURCE.

==== Accidental Release Measures  
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Spill Release Procedures:VACUUMING RECOMMENDED INSTEAD OF DRY SWEEPING  
TO AVOID GENERATION OF AIRBORNE DUST.  
Neutralizing Agent:NA

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

Handling and Storage Precautions:DO NOT STORE ADJACENT TO STRONG  
OXIDIZERS.  
Other Precautions:NONE

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

Respiratory Protection:NIOSH APPROVED DUST RESPIRATORS WHENEVER DUST  
LEVELS ARE ENCOUNTERED.  
Venti

lation:LOCAL EXHAUST REQUIRED OF OSHA STANDARD IS EXCEEDED.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:SAFETY GLASSES OR GOGGLES.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

WARNING! CHROME AND/OR NICKEL AND/OR COBALT METAL. PROLONGED OR EXCESSIVE INHALATION MAY CAUSE CANCER. MAY CAUSE ALLERGIC SKIN REACTION.

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

HCC:N1

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:2642F,1450C

Decomp Temp:Decomp Text:NA

Vapor Pres:1 MM

Vapor Density:NA

Spec Gravity:8.4

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:D

USTING, EXPOSURE TO DIRECT FLAME INFINELY DIVIDED FORM

Hazardous Decomposition Products:CONTACT WITH MINERAL ACIDS LIBERATE HYDROGEN, WHICH MAY BE FIRE HAZARD.

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

Waste Disposal Methods:PROCEDURES COMPLYING WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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