

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

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First Aid Measures
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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.

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Fire
Fighting Measures
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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.

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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

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

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Exposure Controls/Personal Protection
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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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