

MILLER ELEC. MFG. CO., ALLOYS INTL. DIV. -- AI-1052-2 NICKEL GRAPHITE POWDER --  
3439-01-103-6352

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Product Identification  
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Product ID:AI-1052-2 NICKEL GRAPHITE POWDER

MSDS Date:04/05/1986

FSC:3439

NIIN:01-103-6352

MSDS Number: BKHWQ

=== Responsible Party ===

Company Name:MILLER ELEC. MFG. CO., ALLOYS INTL. DIV.

Address:1901 ELLIS SCHOOL ROAD

City:BAYTOWN

State:TX

ZIP:77521

Info Phone Num

:(713) 426-5535

Emergency Phone Num:(713) 426-5535

CAGE:MO651

=== Contractor Identification ===

Company Name:MILLER ELEC. MFG. CO., ALLOYS INTL. DIV.

Address:1901 ELLIS SCHOOL ROAD

City:BAYTOWN

State:TX

ZIP:77521

Phone:(713) 426-5535

CAGE:MO651

Company Name:MILLER THERMAL TECHNOLOGIES,INC.,ALLOYS INTL. DIV.

Address:1901 ELLIS SCHOOL ROAD

Box:City:BAYTOWN

State:TX

ZIP:77521-1215

Country:US

Phone:713-426-5535

CAGE:06677

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Composition/Information on Ingredients  
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Ingred

Name:NICKEL (SARA III)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 85%  
Other REC Limits:1 MG/CUM  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9192

Ingred Name:GRAPHITE, SYNTHETIC  
CAS:7440-44-0  
RTECS #:FF5250100  
Fraction by Wt: 15%  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:2 MG/M3 TDUST; 9293

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

LD50 LC50 Mixture:ORAL LD50 (RAT): >10 MG/L  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES  
OSHA:YES  
Health Hazards Acute and Chronic:SKIN/EYE: IRRITATION, & ALLERGIC  
REACTION. INHALATION: NATURAL GRAPHITE DUST CAUSES GRAPHITE  
PNEUMOCONIOSIS, SYMPTOMS INCLUDE EXPECTORATION OF BLACK SPUTUM,  
DYSPNEA, & COUGH. INGESTION: IRRITATION.  
Explanation of Carcinogenicity:NICKEL METAL IS A CARCINOGEN FOR HUMANS.  
Effects of Overexposure:SKIN/EYE: IRRITATION, & ALLERGIC REACTION.  
INHALATION: NATURAL GRAPHITE DUST CAUSES GRAPHITE PNEUMOCONIOSIS,  
SYMPTOMS INCLUDE EXPECTORATIN OF  
BLACK SPUTM, DYSPNEA, & COUGH.  
INGESTION: IRRITATION.  
Medical Cond Aggravated by Exposure:SENSITIVITY TO NICKEL

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

First Aid:EYES: IRRIGATE W/WATER FOR AT LEAST 15 MINS. SKIN: WASH OFF  
IN FLOWING WATER OR SHOWER. INHALATION: REMOVE TO FRESH AIR.  
INGESTION: INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Unusual Fire/Explosion Hazard:POWDE

R FORMS OF NICKEL GRAPHITE DON'T PRESENT A FIRE OR EXPLOSION HAZARD. HYDROGEN GAS MAY FORM AN EXPLOSIVE MIXTURE IN THE AIR.

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

Spill Release Procedures:APPROVED RESPIRATORY EQUIPMENT SHOULD BE WORN DURING THE CLEAN-UP OF POWDER SPILLS. COLLECT SPILLS BY WET SWEEPING, DRY SWEEPING USING SWEEPING COMPOUND, OR BY VACUUMING USING VACUUM CLEANER EQUIPPED W/HEPA FILTER. SALVAGE SPILLED MATERIALFOR REUSE.

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

Handling and Storage Precautions:KEEP MATERIAL IN CLOSED CONTAINERS. DON'T STORE NEAR MINERAL ACIDS. AVOID BREATHING DUST & CONTACT W/SKIN. WASH OR SHOWER THOROUGHLY AFTER HANDLING.  
Other Precautions:CLEAN WORK CLOTHING SHOULD BE PROVIDED DAILY. DON'T EAT FOOD IN WORK AREA.

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

Respiratory Protection:USE NIOSH APPROVED DUST RESPIRATOR WHENEVER AIRBORNE DUST LEVELS ARE ENCOUNTERED.  
Ventilation:USE LOCAL EXHAUST AT POINT OF DUST GENERATION.  
Protective Gloves:IMPERVIOUS  
Eye Protection:SAFETY GLASSES, GOGGLES  
Other Protective Equipment:COVERALLS, SAFETY SHOWERS, & EYE WASH STATIONS.  
Work Hygienic Practices:REMOVE/LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE. USE GOOD HOUSECLEANING PRACTICES. WASH/SHOWER AFTER HANDLING.  
Supplemental Safety and Health

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

Boiling Pt:B.P. T  
ext:5000F  
Spec Gravity:7.90  
Solubility in Water:INSOLUBLE  
Appearance and Odor:FINE METALLIC POWDER, GRAY COLOR W/NO ODOR.

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

Stability Indicator/Materials to Avoid:YES  
MINERAL ACIDS  
Hazardous Decomposition Products:HYDROGEN GAS

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

Waste Disposal Methods:REUSE LOCALLY OR CONTACT THE APPROPRIATE LOCAL AUTHORITY FOR GUIDANCE ON ACCEPTABLE WASTE DISPOSAL METHODS.

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