

MILLER THERMAL TECHNOLOGIES,INC.,ALLOYS INTL. DIV. -- AI-1007 CHROMIUM
CARBIDE-NICHROME -- 3439-01-381-5148

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Product Identification
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Product ID:AI-1007 CHROMIUM CARBIDE-NICHROME

MSDS Date:09/27/1991

FSC:3439

NIIN:01-381-5148

MSDS Number: BYFDF

=== Responsible Party ===

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

Address:1901 ELLIS SCHOOL ROAD

City:BAYTOWN

State:TX

ZIP

:77521-1215

Country:US

Info Phone Num:713-426-5535

Emergency Phone Num:713-426-5535

CAGE:06677

=== Contractor Identification ===

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

Address:1901 ELLIS SCHOOL ROAD

Box:City:BAYTOWN

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Country:US

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Composition/Information on Ingredients
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Ingred Name:NICKEL (SARA 313) (CERCLA)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 20%

Other REC Limits:NONE RECOMMENDE

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OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9495

Ingred Name:CHROMIUM (SARA 313) (CERCLA)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 69%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9495

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:CARBON

Fraction by Wt: 11%

Other REC Limits:NONE RECOMMENDED

Ingred Name:PER MSDS HAZARDOUS MIXTURES OF OTHER LIQ/SOLID/GASES:NONE
TO MFG'S KNOWLEDGE.

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:EFFECTS ASSOCIATED W/OVEREXPOSURE TO METAL DUSTS MAY INCLUDE RESPIRATORY IRRIT, CONJUNCTIVITIS, PNEUMOCONISIS, ETC.
Explanation of Carcinogenicity:CONTAINS NICKEL & CHROMIUM.
Effects of Overexposure:RESPIRATORY IRRITATION, CONJUNCTIVITIS, PNEUMOCONISIS, ETC.
Medical Condition Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures
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First Aid:IF IRRITATION OCCURS FLUSH EYES, WASH SKIN, REMOVE TO FRESH AIR, AS APPLICABLE. CONTACT PHYSICIAN.

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Fire Fighting Measures
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Flash Point:NONE
Extinguishing Media:CLASS D FIRE:DO NOT USE WATER.USE DRY CHEMICAL, DRY SAND OR CO2 TO SMOTHER FIRE.
Fire Fighting Procedures:FIRE MAY BE ISOLATED & ALLOWED TO BURN ITSELF OUT.
DO NOT DISTURB BURNING METAL WHILE EXTINGUISHING FIRE.FIREFIGHTERS SHOULD WEAR SCBA & PROTECTIVE CLOTH/EQPM.
Unusual Fire/Explosion Hazard:EXPLOSIONS MAY BE INITIATED BY EXPOSING ANY CONCENTRATED DUST SUSPENSION ENCLOSED INDUSTRIAL AREA TO SPARK OR FLAME REGARDLESS OF CHEM NATURE OF DUST.

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Accidental Release Measures
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Spill Release Procedures:AVOID AIRBORNE DUST GENERATION WHERE POSSIBLE USE VACUUM SUCTION TO CLEAN SPILL MATERIAL.USE HIGH EFFICIENCY PARTICULATE ARRESTING(HEPA)FILTER IF VACUUM EXHAUST IS DISCHARGED INTO WORKPLACE.USE DUST SUPPRESSANT WHERE SWEEPING NECESSARY.PERSONAL SAFETY(SUPPLEMENT)

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Handling and Storage
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Handling and Storage Precautions:AVOID & CONTROL OPERATIONS WHICH CREATE DUSTING.KEEP IN CLOSED CONTAINERS.DO NOT STORE NEAR STRONG OXIDIZERS.
Other Precautions:NONE.HOWEVER WARNING LABEL SUBMITTED W/MSDS:MAY CAUSE ALLERGIC REACTION.AVOID PROLONGED SKIN CONTACT

T & INHALING DUST.POSSIBLE
CANCER HAZARD.

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

Respiratory Protection:INDUSTRY AREAS USE NIOSH APPROVED SCHEDULE 21C
RESPIRATOR.

Ventilation:LOCAL EXHAUST RECOMMENDED WHERE DUSTING MAY OCCUR.

MECHANICAL (GENERAL):USE FOR GENERAL AREA CONTROL.

Protective Gloves:FOR EXTENDED USAGE.

Eye Protection:SAF GLASSES OR GOGGLES.

Other Protective Equipment:WORK CLOTHES.DO NOT WEAR CONTACT LENSES.

Work Hygienic Practices:WASH HANDS

AFTER HANDLING.

Supplemental Safety and Health

SPILL:RECOMMENDATION DESCRIBED ELSEWHERE ON MSDS APPLY TO EXPO DURING
SPILL CLEANUP PROCEDURES.

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

HCC:N1

Spec Gravity:4.11

Solubility in Water:INSOLUBLE.

Appearance and Odor:GRAY POWDER, NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

ACIDS, STRONG OXIDIZERS, STRONG BASES & MOISTURE.

Stability Condition t

o Avoid:GENERATION OF AIRBORNE DUST.

Hazardous Decomposition Products:NONE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS.

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