

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

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

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

State:TX

ZIP:77521-1215

Country:US

Phone:713-426-5535

CAGE:06677

===== Composition/Information on Ingredients =====

Ingred Name:NICKEL (SARA 313) (CERCLA)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 20%

Other REC Limits:NONE RECOMMENDE

D

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.

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

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, PNEUMOCONIOSIS, ETC.
Explanation of Carcinogenicity:CONTAINS NICKEL & CHROMIUM.
Effects of Overexposure:RESPIRATORY IRRITATION, CONJUNCTIVITIS, PNEUMOCONIOSIS, ETC.
Medical Condition Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

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

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

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.D
DO NOT DISTURB BURNING METAL WHILE EXTINGUISHING FIRE.FIREFIGHTERS SHOULD WEAR SCBA & PROTECTIVE CLOTH/EQUIPMENT.
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.

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

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

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

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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