

CARPENTER TECHNOLOGY CORP -- PYROMET 625 HI TEMP ALLOY ANL CF WELD --  
3439-01-097-5989

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

Product ID:PYROMET 625 HI TEMP ALLOY ANL CF WELD

MSDS Date:03/07/1987

FSC:3439

NIIN:01-097-5989

Kit Part:Y

MSDS Number: BTRSW

=== Responsible Party ===

Company Name:CARPENTER TECHNOLOGY CORP

Box:14662

City:READING

State:PA

ZIP:19612-4662

Country:US

Info Phone Num:215-371-2000

Emergency Phone Num:215-371-2000

CAGE:71321

=== Contractor Identification ===

Company Name:ATEK METAL CENTER INC. (513-874-3490)

CAGE:0APU4

Company Name:CARPENTER TECHNOLOGY CORP

Address:101 W BERN ST

Box:14662

City:READING

State:PA

ZIP:19612-4662

Country:US

Phone:610-208-2134 / 610-208-2457/2457

CAGE:71321

Company Name:FERCO TECH CORP (513-746-6696)

CAGE:66970

Company Name:U.S. SMALL BUSINESS ADMINISTRATION

CAGE:3S077

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

Ingred

Name:NICKEL (SARA III)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 63.5%  
OSHA PEL:1 MG/M3  
ACGIH TLV:0.05 MG/M3

Ingred Name:CHROMIUM (SARA III)  
CAS:7440-47-3  
RTECS #:GB4200000  
Fraction by Wt: 21.5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:0.5 MG/M3; 9394  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:IRON OXIDE  
CAS:1309-37-1  
RTECS #:NO7400000  
Fraction by Wt: 5.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3 (FE)  
ACGIH TLV:5MG/M3(FE)FUME,B2;94

Ingred Name:COBALT  
(SARA III)  
CAS:7440-48-4  
RTECS #:GF8750000  
Fraction by Wt: 1.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1 MG/M3  
ACGIH TLV:0.05 MG/M3;DUST 9394

Ingred Name:MOLYBDENUM METAL  
CAS:7439-98-7  
RTECS #:QA4680000  
Fraction by Wt: 9.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST INSOL  
ACGIH TLV:10 MG/M3; 9394 INSOL

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===== 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:SPECIALTY STEEL ALLOYS ARE GENERALLY NOT CONSIDERED HAZARDOUS AS SHIPPED.

CUTTING,WELDING,GRINDING,MELTING OR OTHER PROCESSES MAY GENERATE A HAZARDOUS DUST OR FUME. MFR LISTED SIGNS/SYMPTOMS FOR EACH INGREDIENT IN THE ALLOY SEPARATELY. HMIS COMPILED THESE IN THE SIGNS/SYMPTOMS FIELD. SEE CARCINOGENICITY FOR CHRONIC.

Explanation of Carcinogenicity:CHROMIUM AND NICKEL AND/OR THEIR COMPOUNDS ARE LISTED AS CARCINOGENS BY NTP & IAR

C. SEE INDIVIDUAL REPORTS FOR DETAILS.

Effects of Overexposure:RESPIRATORY IRRITATION. ALLERGIC SKIN OR RESPIRATORY REACTION. LUNG DAMAGE WHICH MAY NOT BE REVERSABLE. LESS LIKELY IS G/I DISTRESS WITH WEIGHT LOSS.

Medical Cond Aggravated by Exposure:NO INFORMATION GIVEN BY MFR ON MSDS.

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

First Aid:INHALED:MOVE PERSON TO FRESH AIR UNTIL RECOVERED, CONSULT A PHYSICIAN. SKIN:WASH WITH WATER AND MILD DETERGENT, CONSULT A PHYSICIAN. EYE:FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MIN, CONSULT A PHYSICIAN. INGESTED:WHILE INGESTION OF LARGE ENOUGH QUANTITIES TO CAUSE HEALTH EFFECTS IS UNLIKELY, CONSULT A PHYSICIAN IF IT OCCURS.

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

Flash Point:NONE

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:HMIS:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.

Fire Fighting Procedures:N

O INFORMATION GIVEN BY MFR ON MSDS.

Unusual Fire/Explosion Hazard:UNLESS OTHERWISE NOTED, NONE. PRODUCT IS A SOLID METAL.

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

Spill Release Procedures:PRODUCT IS A SOLID METAL AS SHIPPED. NO POTENTIAL FOR SPILL OR LEAK.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NO INFORMATION GIVEN BY MFR ON MSDS.  
HMIS:NORMAL

STORAGE FOR STEEL STOCKS.

Other Precautions:NONE

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

Respiratory Protection:IF YOUR PROCESS CAUSES A RELEASE OF DUST OR FUME IN EXCESS OF THE PERMISSIBLE EXPOSURE LIMIT, NIOSH APPROVED RESPIRATORS FOR PROTECTION AGAINST AIRBORNE DUST OR FUMES SHOULD BE WORN. RESPIRATORS SHOULD BE USED I/A/W 29CFR1910.134.

Ventilation:IF YOUR PROCESS CAUSES A RELEASE OF DUST/FUME, USE LOC & GEN EXHST VENT TO KEEP AIRBORNE CONC OF DUST/FUMES BELOW TLV.

Protective Gloves:GLOVES &/OR BARRIER CREAMS MAY BE NEEDED

Eye Protection:SAFETY GLASSES OR GOGGLES

Other Protective Equipment:HAND PROTECTION MAY BE NECESSARY TO PREVENT SKIN SENSITIZATION & DERMATITIS. USE EYE PROTECTION IF PROCESS WARRANTS.

Work Hygienic Practices:MFR: ? HMIS:USE GOOD INDUSTRIAL HYGIENE PRACTICE. AVOID UNNECESSARY EXPOSURE. WASH THOROUGHLY BEFORE EATING OR DRINKING

Supplemental Safety and Health  
NONE

===== Physical/Chemical

Properties =====

HCC:N1

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:HIGH

Melt/Freeze Pt:M.P/F.P Text:>2400F,>131

Vapor Pres:NIL

Vapor Density:NIL

Spec Gravity:7.5-8.5

Solubility in Water:INSOLUBLE

Appearance and Odor:SOLID, ODORLESS METAL.

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

Stability Indicator/Materials to Avoid:YES  
NONE.

Stability Condition to Avoid:NO INFORMATION GIVEN BY MFR ON MSDS.

Hazardous Decomposition Products:NO INFORMATION GIVEN BY MF

R ON MSDS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:NO INFORMATION GIVEN BY MFR ON MSDS.

HMIS:DISPOSE I/A/W FEDERAL, STATE & LOCAL REGULATIONS.

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