

CARPENTER TECHNOLOGY CORP -- PYROMET 625 HI - TEMP -- 3439-01-097-5989

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Product Identification
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Product ID:PYROMET 625 HI - TEMP

MSDS Date:08/17/1999

FSC:3439

NIIN:01-097-5989

Status Code:A

MSDS Number: CLPVD

=== Responsible Party ===

Company Name:CARPENTER TECHNOLOGY CORP

Address:101 W BERN ST

Box:14662

City:READING

State:PA

ZIP:19612-4662

Country:US

Info Phone Num:610-208-2134 / 610-2

08-2457/2457

Emergency Phone Num:215-371-2000

CAGE:71321

=== Contractor Identification ===

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

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

CAS:7440-02-0

RTECS #:QR5950000

= Wt:65.

OSHA PEL:1 MG/M3

ACGIH TLV:0.05 MG/M3

Ingred Name:CHROMIUM (SARA III)

CAS:7440-47-3

RTECS #:GB42

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= Wt:22.
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
= Wt:2.5
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
= Wt:.9
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
= Wt:9.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST INSOL
ACGIH TLV:10 MG/M3; 9394 INSOL

Ingred Name:ALUMINIUM
CAS:7429-90-5
RTECS #:BD0330000
= Wt:.2
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
= Wt:.2
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:COPPER
CAS:7440-50-8
RTECS #:GL5325000
= Wt:.1
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:MANGANESE
CAS:7439-96-5
RTECS #:OO9275000

= Wt.:1
OSHA PEL:C5 MG/M3
ACGIH TLV:5 MG/M3

===== 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. HOWEVER, CUTTING, WELDING, GRINDING, MELTING OR OTHER PROCESSES MAY GENERATE A HAZARDOUS DUST OR FUME. WELDING FUMES ARE KNOWN TO CAUSE METAL FUME FEVER. CHROMIUM FUMES ARE TOXIC TO LUNGS. MAY CAUSE EYE AND SKIN IRRITATION, AND SKIN SENSITIVITY. MAY BE HARMFUL IF SWALLOWED. CHRONIC: SKIN ULCERATION, DERMATITIS, LIVER & KIDNEY DAMAGE, SIDEROSIS, CNS EFFECTS,
Explanation of Carcinogenicity:CHROMIUM(IV) AND NICKEL AND/OR THEIR COMPOUNDS ARE LISTED AS CARCINOGENS BY NTP & IARC. SEE INDIVIDUAL REPORTS FOR DETAILS. COBALT 7 SELENIUM ARE LISTED BY NTP AS 2B CARCINOGEN.
Effects of Overexposure:RESPIRATORY IRRITATION. ALLERGIC SKIN OR RESPIRATORY REACTION. LUNG DAMAGE WHICH MAY NOT BE REVERSABLE. LESS LIKELY IS GI DISTRESS WITH WEIGHT LOSS. IRRITATION OF EYES AND MUCUS MEMBRANE,
Medical Cond Aggravated by Exposure:NO INFORMATION GIVEN BY MFR ON MSDS.

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

First Aid:INHALATION: 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. INGESTION: SEEK MEDICAL HELP.

===== 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:NO INFORMATION GIVEN BY MFR ON MSDS.
Unusual Fire/Explosion Hazard:UNLESS OTHERWISE NOTED, NONE. PRODUCT IS A SOLID METAL.

===== Acci

dental Release Measures =====

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

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== 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:H

AND PROTECTION MAY BE NECESSARY TO PREVENT
SKIN SENSITIZATION & DERMATITIS. USE EYE PROTECTION IF PROCESS
WARRENTS.

Work Hygienic Practices: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, GRAY IN COLOR, ODORLESS METAL.

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

Stability Indicator/Materials to Avoid:YES
ACIDS AND OXIDIZERS.
Stability Condition to Avoid:NO INFORMATION GIVEN BY MFR ON MSDS.
Hazardous Decomposition Products:NONE FOR PRODUCT AS SHIPPED. (HMIS:
DURING WELING HAZARDOUS METAL OXIDES AND FUMES ARE EMITTED)
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSAL SHOULD BE IN ACCORDANCE WITH LOCAL,
STATE, AND FEDERAL REGULATIONS. RECYCLING OF ALL METALLIC PRODUCTS
AS SCRAP IS STRONGLY ENCOURAGED.

===== MSDS Transport Information =====

Transport Information:PSN FOR WASTE: HAZARDOUS WASTE, SOLID, N.O.S, 9,
NA3077, III.

===== Regulatory Information =====

SARA Title III Information
:SEC 311/312: END PRODUCTS MAY REQUIRE
REPORTING. SEC 313: PRODUCT INGREDIENTS SUBJECT TO REPORTING MAY
INCLUDE: CHROMIUM, NICKEL, MANGANESE, COBALT, COPPER, VANADIUM,
TITANIUM, OR ALUMINUM. REGULATION S SUCH AS CLEAN AIR & CLEAN WATER
ACTS, RCRA MAY APPLY TO THE HANDLING OF STEEL GRINDINGS AND
PARTICULATES FROM PROCESSING.

Federal Regulatory Information:TSCA: NOT APPLICABLE.
State Regulatory Information:CALIFORNIA SAFE DRINKING WATER ACT (PROP
65): NICKEL (7440-02-0), CO
BALT (7440-48-4)

===== Other Information =====

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