View NSN Online: https://aerobasegroup.com/nsn/3439-01-097-5989

Product ID:PYROMET 718 MSDS Date:05/08/1989

FSC:3439

NIIN:01-097-5989

Kit Part:Y

MSDS Number: BTSRX === Responsible Party ===

Company Name: CARPENTER TECHNOLOGY CORP

Box:14662 City:READING State:PA

71D:1061

ZIP:19612-4662 Country:US

Info Phone Num:215-371-2000

Emergency Phone Num:215-371-2000

CAGE:71321 === Cont

ractor 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

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

CAGE:66970

Company Name: POLYMET CORP Address: 4505 MULHAUSER RD

Box:City:HAMILTON

State:OH ZIP:45011 Country:US CAGE:55596

Company Name: U.S. SMALL BUSINESS ADMINISTRATION

CAGE:3S077

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

Ingred Na

me:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000 Fraction by Wt: 52.5% 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: 18.4% OSHA PEL:1 MG/M3 ACGIH TLV:0.5 MG/M3

EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name: IRON (III) OXIDE

CAS:1309-37-1

RTECS #:NO7400000 Fraction by Wt: 18.5% OSHA PEL:10 MG/M3 (FE)

ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:TITANIUM OXIDE; (TITANIUM)

CAS:13463-67-7 RTECS #:XR2275000 Fraction by Wt: 1.

00%

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name: COBALT (SARA III), DUST AND FUME

CAS:7440-48-4

RTECS #:GF8750000 Fraction by Wt: 0.20% OSHA PEL:0.1 MG/M3

ACGIH TLV:0.05 MG/M3;DUST 9394

Ingred Name: COPPER (SARA III)

CAS:7440-50-8

RTECS #:GL5325000 Fraction by Wt: 0.10%

OSHA PEL:0.1MG/M3 FUME/1 DUST ACGIH TLV:0.2 MG/M3 FUME; 9394

EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name: MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000 Fraction by Wt: 0.1% OSHA PEL:C 5 M G/M3 DUST ACGIH TLV:5 MG/M3 DUST 9394

Ingred Name: NIOBIUM (ALSO CALLED COLUMBIUM)

CAS:7440-03-1

Fraction by Wt: 5.30%

========== 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 DU

- ST 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 & IARC. SEE INDIVIDUAL REPORTS FOR DETAILS.
- Effects of Overexposure:METAL FUME FEVER AND RESPIRATORY IRRITATION.
 ALLERGIC SKIN OR RESPIRATORY REACTION. LUNG DAMAGE WHICH MAY NOT BE REVERSABLE. LESS LI
- KELY ARE G/I DISTRESS WITH WEIGHT LOSS, BLOOD, KIDNEY AND CNS EFFEC TS.
- Medical Cond Aggravated by Exposure: NO INFORMATION GIVEN BY MFR ON MSDS.

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 PHYS ICIAN. INGESTED:WHILE INGESTION OF LARGE ENOUGH Q

UANTITIES TO CAUSE HEALTH EFFECTS IS UNLIKELY, CONSULT A PHYSICIAN IF IT OCCURS.

========== 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.

======= Acc

idental 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 SHOUL D 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: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 MFR ON MSDS. Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Met

hods:NO INFORMATION GIVEN BY MFR ON MSDS.
HMIS:DISPOSE I/A/W FEDERAL, STATE & LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.