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CARPENTER TECHNOLOGY CORPORATION -- TYPE 416 HF ANL PKL, ASTM-A-582-80

9510-00-189-7425

Product ID:TYPE 416 HF ANL PKL, ASTM-A-582-80

MSDS Date:01/01/1987

FSC:9510

NIIN:00-189-7425

MSDS Number: BDHTF === Responsible Party ===

Company Name: CARPENTER TECHNOLOGY CORPORATION

Emergency Phone Num:(215) 371-2000

CAGE:71321

=== Contractor Identification ===

Company Na

me: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

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

Ingred Name: IRON OXIDE

CAS:1309-37-1

RTECS #:NO7400000 Fraction by Wt: 84.0% OSHA PEL:10 MG/M3 (FE)

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

Ingred Name: NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000 Fraction by Wt: 0.35% OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

Ingred Name

:MANGANESE (SARA III) CAS:7439-96-5 RTECS #:OO9275000 Fraction by Wt: 1.25% OSHA PEL:(C) 5 MG/M3 DUST ACGIH TLV:5 MG/M3 DUST 9293
Ingred Name:CHROMIUM (SARA III) CAS:7440-47-3 RTECS #:GB4200000 Fraction by Wt: 13.0% OSHA PEL:1 MG/M3 ACGIH TLV:0.5 MG/M3; 9192 EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB
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Effects of Overexposure:NONE CONSIDERED HAZ IN SOLID STATE;HOWEVER,METALLIC FUMES/DUST MAY CAUSE RESP,EYES,LUNG PROBLEMS.
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First Aid:INHAL:MOVE TO FRESH AIR.GET MED ATTN;SKIN:WASH W/WATER & MILD DETERGENT.CONSULT A PHYSICIAN;EYES:FLUSH WITH PLENTY OF WATER.GET MED HELP;INGESTION:WHILE INGESTION OF LG ENOUGH QTY TO CAUSE HEALTH EFFE CTS IS UNLIKELY,CONSULT A DR IF IT OCCURS.
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Flash Point:NONE Extinguishing Media:EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE Fire F
ighting Procedures:WEAR SELF-CNTD BRTHG,APP H*20 SPRAY TO COOL CONTR.
Unusual Fire/Explosion Hazard:NONE NOTED BY MANUFACTURER.
========== Accidental Release Measures ==========
Spill Release Procedures:PRODUCT IS SOLID METAL.NO POTENTIAL FOR SPILL OR LEAK. HOWEVER IF SMALL METALLIC PIECES ARE SPILLED,COLLECT THOSE & REUSE.
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Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED A

REA. PROTECT FROM PHYSICAL DAMAGE.AVOID ANY PHYSICAL CONTACT. KEEP CONTAINERS TIGHTLY CLOSED

Other Precautions:FERROCHROME ALLOYS HAVE BEEN ASSOCIATED W/LUNG CHGS.CHROMIUM,COBALT-CHROMIUM ALLOYS,AND NICKEL HAVE BEEN IDENTIFIED AS CARCINOGEN.AVOID BREATHING DUST/FUMES DURING GRINDING/WELDING PROCESSES

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

Respiratory Protection:IF FMES OR DUST IS ELEASED,USE NIOSH APPRVD RESP Ventilation:FOR DUST/FUME,USE LOCAL & GE NERAL VENTILATION TO KEEP 7.5 Solubility in Water:NEGLIGIBLE Appearance and Odor:SOLID METAL,ODORLESS

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

Stability Indicator/Materials to Avoid:YES NONE Stability Condition to Avoid:NOT KNOWN Hazardous Decomposition Products:NONE EXPECTED

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

Waste Disposal Methods:IN THE EVENT OF METAL OR METAL PIECES ARE TO BE DISPOSED, CONSULT LOCAL AUTHORITIES FOR DISPOSAL OR SHIP TO RECYCLING FACILITIES.

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