

CARPENTER TECHNOLOGY CORPORATION -- TYPE 410 HF TR PKL, QQ-S-763D -- 9510-00-189-0700

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Product Identification  
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Product ID:TYPE 410 HF TR PKL, QQ-S-763D

MSDS Date:01/01/1987

FSC:9510

NIIN:00-189-0700

MSDS Number: BDHQT

=== Responsible Party ===

Company Name:CARPENTER TECHNOLOGY CORPORATION

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:IRON OXIDE

CAS:1309-37-1

RTECS #:NO7400000

Fraction by Wt: 87.0%

OSHA PEL:10 MG/M3 (FE)

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

Ingred Name:CHROMIUM (SARA III)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 12.5%

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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

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

Effects of Overexposure:NONE CONSIDERED HAZ IN SOLID STATE;HOWEVER,METALLIC FUMES/DUST MAY CAUSE RESP,EYES,LUNGS PROBLEMS.

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

First Aid:INHAL:MOVE TO FRESH AIR.GET MED ATTN;SKIN:WASH W/WATER & MILD DETERGE  
NT.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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===== Fire Fighting Measures =====

Flash Point:NONE  
Extinguishing Media:EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE  
Fire Fighting Procedures:WEAR SELF-CNTD BRTHG,APP H\*20 SPRAY TO COOL CONTR.  
Unusual Fire/Explosion Hazard:MIXTURE WITH FUELS MAY EXPLODE.

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

Spill Release Procedures:PRODUCT IS SOLID METAL.NO POTENTIAL FOR SPILL OR LEAK. HOWEVER IF SMALL METALLIC PIECE ARE SPILLED,COLLECT THOSE & REUSE.

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

Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE.AVOID ANY PHYSICAL CONTACT. KEEP CONTAINERS TIGHTLY CLOSED  
Other Precautions:FERROCHROME ALLOYS HAVE BEEN ASSO

CIATED W/LUNG

CHGS.CHROMIUM ALLOYS,AND NICKEL HAVE BEEN IDENTIFIED AS  
CARBINOGEN.AVOID BREATHING DUST/FUMES DURING GRINDING/WELDING  
PROCESSES

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

Respiratory Protection:IF FUMES OR DUST IS RELEASED,USE NIOSH APPRVD  
RESP

Ventilation:FOR DUST/FUME,USE LOCAL & GENERAL VENTILATION TO KEEP