

CARPENTER TECHNOLOGY CORPORATION -- TYPE 410 HF TR PKL, QQ-S-763D -- 9510-00-189-0717  
===== Product Identification =====

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

MSDS Date:01/01/1987

FSC:9510

NIIN:00-189-0717

MSDS Number: BDHQX

=== Responsible Party ===

Company Name:CARPENTER TECHNOLOGY CORPORATION

Emergency Phone Num:(215) 371-2000

CAGE:71321

=== Contractor Identification ===

Company Name:CARPENT

ER 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: 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

D

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

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First Aid Measures  
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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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Fire Fighting Measures  
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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:NONE NOTED BY MANUFACTURER.

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Accidental Release Measures  
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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  
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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 ASSOCIATE

D W/LUNG

CHGS.CHROMIUM,COBALT-CHROMIUM ALLOYS, & NICKEL HAVE BEEN IDENTIFIED AS CARCINOGEN.AVOID BREATHING DUST/FUMES DURING GRINDING/WELDING PROCESSES

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===== 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 7.5

Solubility in Water:NEGLIGIBLE

Appearance and Odor:SOLID ODORLESS METAL

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

Stability Indicator/Materials to Avoid:YES  
NONE

Stability Condition to Avoid:NOT KNOWN

Hazardous Decomposition Products:NONE EXPECTED

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===== 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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