

CARPENTER TECHNOLOGY CORPORATION -- TYPE 410 HF TR PKL, QQ-S-763D -- 9510-00-189-0693

===== Product Identification =====

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

MSDS Date:01/01/1987

FSC:9510

NIIN:00-189-0693

MSDS Number: BDHQS

=== 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

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

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

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

First Aid:INHAL;MOVE TO FRESH AIR.GET MED ATTN;SKIN:WASH W/WATER & MILD  
DETERGEN  
T.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.

===== 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: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.

===== 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 ASSOCIAT

ED 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 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

===== 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.

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.