

CARPENTER TECHNOLOGY CORPORATION -- TYPE 304 HF ANL PKL, QQ-S-763D --
9510-00-189-0595

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

Product ID:TYPE 304 HF ANL PKL, QQ-S-763D

MSDS Date:01/01/1987

FSC:9510

NIIN:00-189-0595

MSDS Number: BDHQN

=== Responsible Party ===

Company Name:CARPENTER TECHNOLOGY CORPORATION

Emergency Phone Num:(215) 371-2000

CAGE:71321

=== Contractor Identification ===

Company Name:CARP

ENTER 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: 68.5%

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: 9.0%

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

Ingred Name:MANGANE

SE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 2.0%
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:COBALT (SARA III)
CAS:7440-48-4
RTECS #:GF8750000
Fraction by Wt: 0.75%
OSHA PEL:0.1 MG/M3;AS CO
ACGIH TLV:0.05 MG/M3;DUST 9293

Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: 19.0%
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

===== 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
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.

===== 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 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 FUMES OR DUST IS RELEASED, USE NIOSH APPROVED RESP.

Ventilation:FOR DUST/FUME, USE LOCAL & GENERAL 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.

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.