

CARPENTER TECHNOLOGY CORP -- CONSUMET A286 CF ANL BRIGHT CLN -- 3439-01-150-3250
===== Product Identification =====

Product ID:CONSUMET A286 CF ANL BRIGHT CLN
MSDS Date:01/01/1987
FSC:3439
NIIN:01-150-3250
MSDS Number: BNCKL
=== Responsible Party ===
Company Name:CARPENTER TECHNOLOGY CORP
Address:101 W BERN ST
Box:14662
City:READING
State:PA
ZIP:19601
Country:US
Info Phone Num:215-371-2000
Emergency Phone Num:215-371-2000
CAGE:71321
=== Contractor Identification ===
Company Name:ASTROLITE ALLOYS CORP.
Address:709 VIA ALONDRA
Box:City:CARMARILLO
State:CA
ZIP:93010
Country:US
CAGE:5K681
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

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

Ingred Name:IRON OXIDE
CAS:1309-37-1
RTECS #:NO7400000
Fraction by

Wt: 56.0%
Other REC Limits:NONE SPECIFIED
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: 25.0%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: 14.5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTE
CS #:XR2275000
Fraction by Wt: 2.0%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:MOLYBDENUM
CAS:7439-98-7
RTECS #:QA4680000
Fraction by Wt: 1.50%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3; 9293

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 1.0%
Other REC Limits:NONE SPECIFIED
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

===== Hazards Identificati

on =====

LD50 LC50 Mixture:TLV FOR WELDING FUMES IS 5 MG/M3

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ACUTE: FUMES AND GASES CAN CAUSE EYES AND UPPER RESPIRATORY SYSTEM IRRITATION, AND CENTRAL NERVOUS SYSTEM EFFECTS. ARC RAYS CAN INJURE EYES AND BURN SKIN. ELECTRIC SHOCK CAN KILL. NOISE CAN DAMAGE HEA RING. CHRONIC: NEUROLOGICAL DAMAGE, LUNG FIBROSIS, PNEUMOCON

IOSIS. NICKEL AND CHROMIUM ARE SUSPECTED CARCINOGENS.

Explanation of Carcinogenicity:NICKEL AND CHROMIUM ARE LISTED UNDER IARC AND NTP.

Effects of Overexposure:SHORT TERM EXPOSURE: NAUSEA, FEVER, DIZZINESS, DRYNESS, IRRITATION OF EYES, NOSE AND THROAT, SKIN SENSITIVITY. ACUTE EXPOSURE: SAME SYMPTOMS TO HIGHER DEGREE AS WELL AS WATERY EYES, HEADACHE, BREATHIN G DIFFICULTY, FREQUENT COUGHING, CHEST PAINS.

Medical Cond Aggravated by Exposure:AGGRAVATION OF EXISTING RESPIRATO RY

OR ALLERGIC CONDITIONS.HIGHER LEVEL OF LUNG RELATED PROBLEMS AMONG SMOKERS.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, GIVE CPR. IF NO DETECTABLE PULSE, GIVE HEART MASSAGE. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 1 5 MINUTES. SKIN: WASH WITH SOAP AND WATER. INGESTION: SEEK MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUE AND PLACE IN APPROPRIATE DISPOSAL CON

TAINER. AVOID INHALATION AND
SKIN EXPOSURE.

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Handling and Storage
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Handling and Storage Precautions:STORE IN DRY AREA. ELECTRODES EXPOSED TO MOISTURE MAY EXPLODE VIOLENTLY IF USED. DRY MOIST RODS BY BAKING AT 300F FOR TEN HOURS.

Other Precautions:TRAIN WELDER TO KEEP HIS HEAD OUT OF THE FUMES. MONITOR AIR TO ENSURE ACCEPTABLE EXPOSURES. AVOID ELECTRICAL SHOCK BY MAINTAINING DRY WORK AREA.

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Exposure Controls/Personal Protection
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Respiratory Protection:FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR IN CONFINED SPACES OR WHERE VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:LOCAL EXHAUST TO KEEP BELOW TLV.

Protective Gloves:WELDER'S GLOVES.

Eye Protection:HELMET OR FACE SHIELD WITH FILTER LENS.

Other Protective Equipment:SUBSTANTIAL DARK CLOTH, ARM PROTECTOR, APRON, HAT AND SHOULDER PROTECTION. AIR SAMPLING TO DETERMINE CORRECTIVE MEASURES

Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING, SMOKING OR USING SANITARY FACILITIES.

Supplemental Safety and Health
NONE.

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Physical/Chemical Properties
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HCC:N1

Melt/Freeze Pt:M.P/F.P Text:2400F,1316C

Spec Gravity:8

Solubility in Water:INSOLUBLE.

Appearance and Odor:WELDING ROD.

Percent Volatiles by Volume:NONE

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES
NONE

Stability Condition to Avoid:NONE

Hazardous

Decomposition Products:FUMES OF METALS AND METAL OXIDES FROM
ELECTRODE AND BASE METAL, CARBON MONOXIDE, CARBON DIOXIDE, OZONE,
NITROGEN OXIDES.

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

Waste Disposal Methods:CONSULT WITH YOUR LOCAL ENVIRONMENTAL OFFICER.
DISPOSE OF FUMES, FLUX OR WELD GRINDING RESIDUE FROM THE WORK AREA
OR FROM FILTERS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL
ENVIRONMENTAL REGULATIONS.

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