

TWECO PRODUCTS INC -- ARC METAL REMOVAL -- 3439-00-900-2856

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

Product ID:ARC METAL REMOVAL

MSDS Date:10/31/1990

FSC:3439

NIIN:00-900-2856

MSDS Number: BPBNS

=== Responsible Party ===

Company Name:TWECO PRODUCTS INC

Address:4200 W HARRY STREET

Box:12250

City:WICHITA

State:KS

ZIP:67277

Country:US

Info Phone Num:316-942-1421

Emergency Phone Num:316-942-1421

Preparer's

Name:DENNIS WILSON

CAGE:89381

=== Contractor Identification ===

Company Name:L AND M WELDING SUPPLY INC

Address:568 WESTERN DR

Box:City:MOBILE

State:AL

ZIP:36607-1420

Country:US

Phone:334-470-9997

CAGE:1HJ95

Company Name:TWECO PRODUCTS, INC.

Address:4200 WEST HARRY ST.

Box:12250

City:WICHITA

State:KS

ZIP:67277

Country:US

Phone:316-946-8308;316-942-1421

CAGE:89381

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

Ingred Name:GRAPHITE, SYNTHETIC

CAS:7440-44-0

RTECS #:FF525010

0
Fraction by Wt: 20-90%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:2 MG/M3 TDUST; 9293

Ingred Name:GRAPHITE, NATURAL
CAS:7782-42-5
RTECS #:MD9659600
Fraction by Wt: 20-90%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MPPCF RDUST
ACGIH TLV:2 MG/M3 RDUST; 9293

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 10-30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2MG/M3 FUME; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty
:5000 LBS

Ingred Name:CARBON BLACK
CAS:1333-86-4
RTECS #:FF5800000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3; 9293

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:CUTTING CONSUMABLES ARE NON-REACTIVE,
NON-FLAMMABLE, NON-EXPLOSIVE, AND ESSENTIALLY NON-HAZARDOUS UNTIL
USED IN A CUTTING OPERATION. C
UTTING HAZARDS INCLUDE INHALATION OF
FUMES, THERMAL BURNS, RADIAT ION BURNS AND ELECTRIC SHOCK.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:EXPOSURE TO CUTTING FUMES MAY CAUSE METAL FUME
FEVER RESULTING IN DIZZINESS, NAUSEA, FEVER AND/OR IRRITATION OF
NOSE, THROAT AND EYES. TOXIC GASES CAN BE FATAL.
Medical Cond Aggravated by Exposure:PRE-EXISTING

RESPIRATORY

DISFUNCTION MAY BE AGGRAVATED BY FUME INHALATION.

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

First Aid:FUME INHALATION:REMOVE FROM EXPOSURE. GET MEDICAL ATTENTION.
THERMAL BURN:USE NORMAL FIRST AID. ULTRAVIOLET EXPOSURE:SKIN;TREAT
AS SUNBURN. EYE; GET MEDICAL ATTENTION. ELECTRIC SHOCK:TURN OFF
POWER. REMOVE AND RESTORE BREATHING IF NECESSARY. GET MEDICAL
ATTENTION.

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

Flash Point:NONE
Autoignition Temp:Autoignition Temp Text:NONE
Extinguishing Media:NONCOMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE
FOR SURROUNDING FIRE CONDITIONS.
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:SWEEP OR PICKUP. BE ALERT TO "HOT ENDS".
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN A DRY AREA. ELECTRODES
EXPOSED TO MOISTURE MAY EXPLODE VIOLENTLY IF USED. DRY MOIST RODS
BY BAKING AT 300F FOR TEN HOURS.
Other Precautions:SEE ANSI STANDARD Z49.1-1983. READ "SAFETY IN
WELDING AND CUTTING" FROM AMERICAN WELDING ASSOCIATION, 550 N.W.
JEUNE RD., MIAMI,FL 33135.

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

Respiratory Protection:USE NIOSH/MSHA WELD FUME RESPIRATOR OR AIR
SUPPLIED RESPIRATOR WHEN CUTTING IN A CONFINED SPACE OR WHERE LOCAL
EXHAUST OR GENERAL VENTILATION DOES NOT KEEP EXPOSURE BELOW
PEL/TLV.
Ventilation:USE LOCAL VENTILATION WHEN CUTTING TO KEEP THE DUST, FUMES
& GASES FROM THE WORKERS BREATHING ZONE.
Protective Gloves:WELDERS LEATHER GLOVES
Eye Protection:FACE SHIELD OR WELDERS HELMET W/#12 LENS
Other Protective Equipment:FLAME RETARDANT CLO

THING WHEN CUTTING. DO

NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING.

Work Hygienic Practices:USE GOOD INDUSTRIAL HYGIENE. WASH THOROUGHLY BEFORE EATING OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

HOT CUTTING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. THEIR COMPOSITION AND QUANTITY ARE DEPENDENT ON THE METAL BEING CUT, THE PROCEDURES, PROCESSES AND THE TYPE OF WIRE OR ELECTRODES USED. OTHER INFLUENCING FACTORS ARE THE PRESENCE OF CONTAMINANTS.

CHLORINATED SOLVENTS MAY DECOMPOSE TO TOXIC GASES.

===== Physical/Chemical Properties =====

HCC:N1

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COPPER COATED BLACK ROD. NO ODOR

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
TRACES OF COPPER FUME.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH FEDERAL, STATE &
LOCAL REGULATIONS.

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.