

UNITED STATES WELDING CORP. -- TURBALOY 718 -- 3439-01-127-6944

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

Product ID:TURBALOY 718

MSDS Date:01/06/1987

FSC:3439

NIIN:01-127-6944

MSDS Number: BNDVC

=== Responsible Party ===

Company Name:UNITED STATES WELDING CORP.

Address:20700 DEARBORN ST.

City:CHATSWORTH

State:CA

ZIP:91311-5912

Country:US

Info Phone Num:213-341-2021

Preparer's Name:JORGE JACOBS

CAGE:584

01

=== Contractor Identification ===

Company Name:UNITED STATES WELDING CORP

Address:3579 HWY 50 E SUITE 104

Box:City:CARSON CITY

State:NV

ZIP:89701-2807

Country:US

Phone:775-883-7878

CAGE:58401

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

Ingred Name:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000

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: 19%

Other REC Li

imits: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:MOLYBDENUM  
CAS:7439-98-7  
RTECS #:QA4680000  
Fraction by Wt: 3%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3; 9293

Ingred Name:TITANIUM, METAL  
CAS:7440-32-6  
RTECS #:XR1700000  
Fraction by Wt: 0.9%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15.0 MG/M3  
ACGIH TLV:10 MG/M3

Ingred Name:NIOBIUM  
CAS:7440-03-1  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:5 MG/M3  
ACGIH TLV:  
5 MG/M3

Ingred Name:TANTALUM  
CAS:7440-25-7  
RTECS #:WW5505000  
Fraction by Wt: 5.1%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:5 MG/M3  
ACGIH TLV:5 MG/M3; DUST; 9192

Ingred Name:ALUMINUM (SARA III)  
CAS:7429-90-5  
RTECS #:BD0330000  
Fraction by Wt: 0.5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15MG/M3 DUST/5 FUME  
ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:IRON  
CAS:7439-89-6  
RTECS #:NO4565500  
Fraction by Wt: 18%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:5 MG/M3  
ACGIH TLV:10 MG/M3 AS FE2O3

=====

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

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

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA OR DRYNESS OR IRRITATION OF NOSE AND THROAT. MAY CAUSE WATERY EYES, HEADACHE, BREATHING DIFFICULTY, FREQUENT COUGHING AND/OR CHEST PAINS. SOME TOXIC GASES MAY CAUSE PULMONARY EDEMA, ASPHYXIATION AND EXCESSIVE EXPOSURE CAN BE FATA

L.

Explanation of Carcinogenicity:CHROMIUM AND NICKEL ARE LISTED AS SUSPECTED CANCER AGENTS.

Effects of Overexposure:DIZZINESS, NAUSEA, OR DRYNESS OR IRRITATION OF NOSE, THROAT, OR EYES. OVEREXPOSURE MAY LEAD TO NEUROLOGICAL DAMAGE, LUNG FIBROSIS, PNEUMOCOSIS AND OTHER LUNG DISEASES.

Medical Cond Aggravated by Exposure:PERSONS WITH IMPAIRED PULMONARY FUNCTION, AIRWAY DISEASES AND CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, CHRONIC BRONCHITIS.

=====  
First Aid Mea  
sures  
=====

First Aid:EYES: WASH WITH LARGE AMOUNTS OF WATER OCCASIONALLY LIFTING LOWER AND UPPER EYE LIDS. SEEK MEDICAL ATTENTION. SKIN: REMOVE CLOTHING IMMEDIATELY AND WASH AREA OF SKIN WITH SOAP OR MILD DETERGENT. SEEK MEDICAL ATTENTION. INHALATION: REMOVE FROM EXPOSURE AREA AND CALL FOR MEDICAL ATTENTION. INGESTION: SEEK MEDICAL ATTENTION.

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

Extinguishing Media:DRY CHEMICAL

Fire Figh

ting Procedures:SOLID FORM IS NOT COMBUSTIBLE UNDER NORMAL CONDITIONS, USE FIRE FIGHTING METHODS THAT ARE APPROPRIATE FOR THE SURROUNDING FIRE.

Unusual Fire/Explosion Hazard:MOLTEN METAL ALLOYS MAY EXPLODE ON CONTACT WITH WATER. THEY MAY ALSO REACT VIOLENTLY WITH WATER, RUST AND CERTAIN METAL OXIDES.

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

Spill Release Procedures:IN SOLID FORM THIS MATERIAL POSES NO SPECIAL CLEAN-UP PROBLEMS.

=====

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

Handling and Storage Precautions:NONE STATED BY THE MANUFACTURER.

Other Precautions:TO ACTUALLY DETERMINE THE COMPOSITION AND QUANTITY OF FUMES & GASES TO WHICH WORKERS ARE EXPOSED IS TO TAKE AN AIR SAMPLE FROM THE WORKER'S BREATHING ZONE.

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

Respiratory Protection:USE NIOSH APPROVED RESPIRATORS.

Ventilation:LOCAL EXHAUST VENTILATION SHOULD BE USED TO CONTROL EXPOSURE

TO AIRBORNE FUMES WHENEVER POSSIBLE.

Protective Gloves:FLAMEPROOF WELDING GLOVES

Eye Protection:SAFETY GLASSES UNDER WELDING HELMET

Other Protective Equipment:USE APRON FOR WELDING. SEE REFERENCE: ANSI STD Z49.1, SAFETY IN WELDING AND CUTTING.

Work Hygienic Practices:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT.

Supplemental Safety and Health

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

HCC:N1

Appearance and Odor:ODORLESS FILLER METAL

=====

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

Stability Indicator/Materials to Avoid:YES

NONE DESCRIBED BY THE MANUFACTURER.

Stability Condition to Avoid:NONE DESCRIBED BY THE MANUFACTURER.

Hazardous Decomposition Products:METAL FUMES

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

Waste Disposal Methods:CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER. PRIOR TO DISPOSAL CONSIDER IF MATERIAL HAS RECOVERY VALUE. DISPOSE OF DISPOSABLE CONTAINER, OR LINER IN AN ENVIR

ONMENTALLY ACCEPTABLE

MANNER, IN FULL COMPLIAN CE WITH THE 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 respon

sibility for the suitability of this information to their particular situation.