

UNITED STATES WELDING CORP -- TURBALOY 155 -- 3439-01-150-3250

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

Product ID:TURBALOY 155

MSDS Date:10/01/1996

FSC:3439

NIIN:01-150-3250

MSDS Number: CFCVM

=== 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

Emergency Phone Num:213-341-2021

CAGE:58

401

=== 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:MANGANESE (SARA 313)

CAS:7439-96-5

RTECS #:OO9275000

Fraction by Wt: 1-2%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C, 5 MG/M3 (FUME)

ACGIH TLV:0.2 MG/M3; 9596

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Fractio

n by Wt: 1% MAX
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:CHROMIUM (SARA 313) (CERCLA)
CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: 20-22.5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9596
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:NICKEL (SARA 313) (CERCLA)
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 19-21%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9596

Ingred Name:CO
BALT (SARA 313)
CAS:7440-48-4
RTECS #:GF8750000
Fraction by Wt: 18.5-21%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.02 MG/M3; A3; 9596

Ingred Name:MOLYBDENUM
CAS:7439-98-7
RTECS #:QA4680000
Fraction by Wt: 2.5-3.5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 PPM.
ACGIH TLV:10 PPM.

Ingred Name:TUNGSTEN,AS W,SOLUBLE COMPOUNDS.
CAS:7440-33-7
RTECS #:YO7175000
Fraction by Wt: 2-3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOE ESTABLISHED
ACGIH TLV:1 MG/M3/3 STEL; 9596

Ing

red Name:IRON
CAS:7439-89-6
RTECS #:NO4565500
Fraction by Wt: BALANCE
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:WELDING MAY CREATE ONE OR MORE OF THE FOLLOWING HEALTH HAZARDS. FUMES AND GASES CAN BE DANGEROUS TO YOUR HEALTH. ARC RAYS CAN INJURE EYES OR BURN SKIN. ELECTRIC SHOCK CAN KILL. OVEREXPOSURE TO WELDING FUMES MAY RESULT IN DISCOMFORT. LONGTERM OVEREXPOSURE TO WELDING FUMES CAN LEAD TO SIDEROSIS & AFFECT PULMONARY FUNCTION
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.
Effects of Overexposure:DIZZINESS, NAUSEA, DRYNESS OR IRRITATION OF NOSE, THROAT OR EYES, TIGHTNESS IN CHEST, FEVER AND ALLERGIC REACTIONS. MAY RESULT IN IRON DEPOSITS IN THE LUNG AND AFFECT PULMONARY FUNCTION.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:CALL FOR MEDICAL AID. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS.

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

Flash Point:NONFLAMMABLE
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:WELDING ARC AND SPARKS CAN IGNITE COMBUSTIBLES AND FLAMMABLES. REFER TO ANSI Z49.1 FOR FIRE PREVENTION DURING WELDING.
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Stor

age Precautions:READ AND UNDERSTAND THE MANUFACTURER'S INSTRUCTIONS AND THE PRECAUTIONARY LABEL ON THE PRODUCT. SEE ANSI Z49.1 SAFETY IN WELDING AND CUTTING.

Other Precautions:TRAIN THE WELDER NOT TO TOUCH LIVE ELECTRICAL PARTS AND TO INSULATE HIMSELF FROM WORK AND GROUND.

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

Respiratory Protection:USE NIOSH APPROVED RESPIRATORY OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR

VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:USE ENOUGH VENTILATION, LOCAL EXHAUST AT THE ARC OR BOTH TO KEEP FUMES AND GASES BELOW TLVS IN THE WORKERS BREATHING ZON

Protective Gloves:WELDER'S GLOVES

Eye Protection:WELDING LENS SHADE

Other Protective Equipment:HAND, HEAD AND BODY PROTECTION WHICH HELP TO PREVENT INJURY FROM RADIATION, SPARKS AND ELECTRICAL SHOCK.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:N1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:NOT GIVEN

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:INSOLUBLE

Appearance and Odor:NOT GIVEN

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

Stability Indicator/Materials

to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

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e 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.