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## UNITED STATES WELDING CORPORATION -- AMS5798 HASTELLOY X -- 3439-00-004-4548

Product ID:AMS5798 HASTELLOY X

MSDS Date:01/06/1987

FSC:3439

NIIN:00-004-4548

MSDS Number: BKYGF === Responsible Party ===

Company Name: UNITED STATES WELDING CORPORATION

Address:20700 DEARBORN STREET

City:CHATSWORTH

State:CA ZIP:91311

Info Phone Num:(818) 341-2021

**Emergency Phone Num:(8** 

18) 341-2021

Preparer's Name: JORGE JACOBS

CAGE:58401

=== 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: 1 MG/CUM

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: 22% OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9192

EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name: COBALT (SARA III)

CAS:7440-48-4

RTECS #:GF8750000 Fraction by Wt: 1.5%

Other REC Limits:0.05 PPM OSHA PEL:0.1 MG/M3;AS CO

ACGIH TLV:0.05 MG/M3;DUST 9293

Ingred Name: MOLYBDENUM

CAS:7439-98-7

RTECS #:QA4680000 Fraction by Wt: 9%

OSHA PEL:15 MG/M3 TDUST ACGIH TLV:10 MG/M3; 9293

Ingred Name:TUNGSTEN

CAS:7440-33-7

RTECS #:YO7175000 Fraction by Wt: 0.6%

OSHA PEL:5 MG/M3/ 10 STEL

ACGIH TLV:5 MG/M3/10 STEL;9192

Ingred Name:IRON CAS:7439-89-6

RTECS #:NO4565500 Fraction by Wt: 18.5%

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

Health Hazards Acute and Chronic:INHALATION: DISCOMFORT, DIZZINESS,
NAUSEA, DRYNESS OR IRRITATION OF NOSE/THROAT, WATERY EYES,
HEADACHE, BREATHING DIFFICULTY, COUGHING, CHEST PAINS, PULMONARY

EDEMA,

ASPHYXIATION, NEUROLOGICAL DAMAGE, LUNG FIBROSIS, PNEUMOCONIOSIS, OTHER LUNG DISEASES, & FATAL. SKIN: IRRITATION. Explanation of Carcinogenicity: NICKEL IS SUSPECTED TO BE A HUMAN CARCINOGEN BY ACGIH. Effects of Overexposure: INHALATION: DISCOMFORT, DIZZINESS, NAUSEA, DRYNESS OR IRRITATION OF NOSE/THROAT, WATERY EYES, HEADACHE, BREATHING DIFFICULTY, COUGHING, CHEST PAINS, PULMONARY EDEMA, ASPHYXIATION, NEUROLOGICAL DAMAGE, LUNG FIBROSIS, PNEUMOCONIOSIS, OTHER LUNG DISEASES , & FATAL. SKIN: IRRITATION. Medical Cond Aggravated by Exposure: IMPAIRED PULMONARY FUNCTION, AIRWAY DISEASES SUCH AS ASTHMA, EMPHYSEMA, & CHRONIC BRONCHITIS. First Aid:EYES: FLUSH W/PLENTY OF WATER. SKIN: WASH W/SOAP OR MILD DETERGENT FOR 5 MINS. INHALATION: REMOVE TO FRESH AIR. GIVE CPR OR OXYGEN IF NEEDED. INGESTION: OBTAIN MEDICAL ATTENTION IN ALL CASES. ======= Fire Fighting Measures ======= Extinguishing Media: DRY CHEMICAL Fire Fighting 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 WHEN ON CONTACT W/WATER, THEY MAY ALSO REACT VIOLENTLY W/WATER, RUST, & CERTAIN METAL OXIDES (OXIDES OF COPPER, IRON & LEAD). ======== Accidental Release Measures ============= Spill Release Procedures: IN SOLID FORM THIS MATERIAL POSES NO SPECIAL

CLEAN-UP PROBLEMS. PRIOR TO DISPOSAL CONSIDER IF MATERIAL HAS RECOVERY VALUE.

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

Respiratory Protection: USE NIOSH APPROVED RESPIRATOR. Ventilation: PROVIDE LOCAL EXHAUST VENTILATION TO KEEP