

UNITED STATES WELDING CORPORATION -- STELLITE 31 AMS 5789 -- 3439-00-171-1340
===== Product Identification =====

Product ID:STELLITE 31 AMS 5789
MSDS Date:01/06/1987
FSC:3439
NIIN:00-171-1340
MSDS Number: BLVZT
=== Responsible Party ===
Company Name:UNITED STATES WELDING CORPORATION
Address:20700 DEARBORN STREET
City:CHATSWORTH
State:CA
ZIP:91311
Country:US
Info Phone Num:818-341-2021/213-341-202

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Emergency Phone Num:818-341-2021/213-341-2021
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:COBALT (SARA III)
CAS:7440-48-4
RTECS #:GF8750000
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1 MG/M3;AS CO
ACGIH TLV:0.05 MG/M3;DUST 9293

Ingred Name:CHROMIUM (SAR

A III)
CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: 25.5%
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:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 10.5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingred Name:TUNGSTEN
CAS:7440-33-7
RTECS #:YO7175000
Fraction by Wt: 7.5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3/ 10 STEL
ACGIH TLV:5 MG/M3/10 STEL;9192

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE-EYE:TEARING.SKIN/INGESTION:NOT
LIKELY.INHALATION:MAY RESULT IN DISCOMFORT SUCH AS
DIZZINESS,NAUSEA,DRYNESS/IRRITATION OF NOSE &
THROAT,HEADACHE,BREATHING DIFFICULTY,COUGHING AND/OR CHEST PAIN.SO
ME TOXIC GASES MAY CAUSE PUL

MONARY EDEMA &
DEATH.CHRONIC-NEUROLOGICAL DAMAGE,LUNG FIBROSIS & OTHER LUNG
DISEASES.

Explanation of Carcinogenicity:THIS MATERIAL CONTAINS NICKEL AND
CHROMIUM.

Effects of Overexposure:INHALATION MAY RESULT IN DISCOMFORT SUCH AS
WATERY EYES, DIZZINESS, NAUSEA, DRYNESS/IRRITATION OF NOSE &
THROAT, HEADACHE, BREATHING DIFFICULTY, FREQUENT COUGHING AND/OR
CHEST PAIN. SOME TOXIC GASES M AY CAUSE PULMONARY EDEMA,
ASPHYXIATION AND EXCESSIVE EXPOSURE CAN BE FATAL.

Medical Co

nd Aggravated by Exposure: PERSONS WITH IMPAIRED PULMONARY
FUNCTION, AIRWAY DISEASES AND CONDITION

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First Aid Measures
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First Aid: CALL A DOCTOR IF SYMPTOMS PERSIST. EYE: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN: WASH WITH SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. INGESTION : CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY.

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Fire Fighting Measures
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Flash Point: NONE

Extinguishing Media: SOLID FORM IS NOT COMBUSTIBLE UNDER NORMAL CONDITIONS. USE 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: MOLTEN METAL ALLOYS MAY EXPLODE ON CONTACT WITH WATER, THEY MAY ALSO REACT VIOLENTLY WITH WATER, RUST AND CERTAIN METAL OXIDES (E.G. OXIDES OF CU, FE & PB).

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

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Handling and Storage
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Handling and Storage Precautions: STORAGE-KEEP IN DRY PLACE.

Other Precautions: NO FOOD OR SMOKING IN WORK AREAS. WASH THOROUGHLY AFTER HANDLING.

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Exposure Controls/Personal Protection
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Respiratory Protection: FOR CONDITIONS WHERE EXPOSURE TO DUST AND FUMES

IS APPARENT, A NIOSH APPROVED RESPIRATOR FOR DUST MISTS AND FUMES APPROPRIATE TO THE CONCENTRATION MAY BE WORN. WHERE VAPORS ARE GENERATED, A NIOSH APPROVED ORGANIC RESPIRATOR IS RECOMMENDED.

Ventilation: LOCAL EXHAUST VENTILATION SHOULD BE USED TO CONTROL EXPOSURE TO AIRBORNE FUMES WHENEVER POSSIBLE.

Protective Gloves: FLAME-PROOF WELDING GLOVES

Eye Protection: SAFETY GLASSES, UNDER WELDING HELMET

Other Protective Equipment: INSTALL EYE WASH STATION, APR

ON FOR WELDING

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:ODORLESS FILLER METAL

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:NONE

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azardous Decomposition Products:METAL FUMES

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

Waste Disposal Methods:PRIOR TO DISPOSAL, CONSIDER IF MATERIAL HAS RECOVERY VALUE. DISCARD ANY PRODUCT IN ACCEPTABLE MANNER. DISPOSE OF ALL WASTES IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

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