STOODY CO -- STELLITE "TM", SPECIFICATION AWS A5.13 A5.1 -- 3439-01-153-0921

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

Product ID:STELLITE "TM", SPECIFICATION AWS A5.13 A5.1
MSDS Date:09/04/1991
FSC:3439
NIIN:01-153-0921
MSDS Number: BGPDP
=== Responsible Party ===
Company Name:STOODY CO
Address:5557 NASHVILLE RD
Box:9997
City:BOWLING GREEN
State:KY
ZIP:42102-4997
Country:US
Info Phone Num:502-781-9777
Emergency Phone Num:502-781-9777
CAGE:57965
=== Contractor Identification ===
Company Name:STOODY CO
Box:90032
City:BOWLING GREEN
State:KY
ZIP:42102-9032
Country:US
Phone:502-781-9777
CAGE:57965

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

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 0-1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
Fraction

by Wt: 0-3%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: 5-35%
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: 0-30%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingred Name:MOLYBDENUM
CAS:7439-98-7
RTECS
#:QA4680000
Fraction by Wt: 0-35%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3; 9293

Ingred Name:TUNGSTEN
CAS:7440-33-7
RTECS #:YO7175000
Fraction by Wt: 0-15%
Other REC Limits:NONE SPECIFIED
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: 0-10%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3
ACGIH TLV:10 MG/M3 AS FE2O3

Ingred Name:VANADIUM (SARA III)
CAS:7440-62-2
RTECS #:YW1355000
Fract

ion by Wt: 0-2%
Other REC Limits:NONE SPECIFIED
OSHA PEL:C,0.5 MG V2O5/M3 RD
ACGIH TLV:0.05 MG V205/M3;9293

Ingred Name:COBALT (SARA III)
CAS:7440-48-4
RTECS #:GF8750000
Fraction by Wt: 30-60%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1 MG/M3;AS CO
ACGIH TLV:0.05 MG/M3;DUST 9293

Ingred Name:BORON
CAS:7440-42-8
RTECS #:ED7350000
Fraction by Wt: 0-3%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 (AS OXIDE)
ACGIH TLV:10 MG/M3 (AS OXIDE)

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

Routes of Entry: Inhalation:UNKNOWN Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ELECTRIC ARC WELDING OR OXY FUEL WELDING MAY CREATE FUMES AND GASES WHICH CAN BE DANGEROUS TO YOUR HEALTH. ACUTE: OVEREXPOSURE TO FUMES MAY RESULT IN DISCOMFORT SUCH AS IRRITATION TO THE RESPIRATORY SYSTEM, DAMAGE TO LUNGS AND ASTHMA-LIKESYMPTOMS, AND PULMONARY EDEMA BRONCHITIS. CHRONIC: CAN LEAD TO SIDEROSIS.
Explanation of Carcinogenicity:CHROMIUM AND NICKEL AND THEIR COMPOUNDS ARE ON THE IARC LIST AND NTP LIST AS POSING A CARCINOGENIC RISK TO HUMANS.
Effects of Overexposure:CHROMATES PRESENT IN WELDING FUMES CAN CAUSE ASTHMA-LIKE FUMES. NICKEL COMPOUNDS IN THE FUME CAN CAUSE A METALLIC TASTE, NAUSEA, TIGHTNESS IN THE CHEST, FEVER AND ALLERGIC REACTIONS. FLUORIDES MAY CAU SE A SKIN RASH.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

==========

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

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

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

Flash Point:NON-FLAMMABLE
Extinguishing Media:AS APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Neutral
izing Agent:NONE

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.
Other Precautions:READ AND UNDERSTAND THE MANUFACTURER'S INSTRUCTIONS
AND THE PRECAUTIONARY LABEL ON THE PRODUCT. SEE AMERICAN NATIONAL
STANDARD Z49.1, SAFETY IN WELDING AND CUTTING PUBLISHED BY THE
AMERICAN WELDING SO CIETY AND OSHA PUBLICATION 2206.

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

Respiratory Pr
otection:USE RESPIRABLE FUME RESPIRATOR 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 THE FUMES AND GASES BELOW TLV'S IN THE WORKER'S
Protective Gloves:WEAR PROTECTION TO PREVENT INJURY
Eye Protection:HELMET OR FACE SHIELD WITH FILTER LENS.
Other Protective Equipment:ARM PROTECTORS, APRONS, HATS, SHOULDER
PROTECTION, AS
WELL AS DARK SUBSTANTIAL CLOTHING.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
NONE

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

HCC:N1
Solubility in Water:INSOLUBLE
Appearance and Odor:NOT SPECIFIED BY MANUFACTURER.

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

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

us Decomposition Products:GASEOUS REACTION PRODUCTS MAY INCLUDE CARBON MONOXIDE AND CARBON DIOXIDE. OZONE AND NITROGEN OXIDES MAY BE FORMED BY ARC

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH FEDERAL, STATE AN D LOCAL REGULATIONS.