

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

Product ID:STELLITE "TM", SPECIFICATION AWS A5.13 A5.1

MSDS Date:09/04/1991

FSC:3439

NIIN:00-015-3776

MSDS Number: BMSHT

=== 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 Identi

fication ===

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 TD

UST  
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  
Fraction by Wt: 0-2%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:C,0.5 MG

V2O5/M3 RD  
ACGIH TLV:0.05 MG V2O5/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 In  
gestion: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 COMP  
OUNDS  
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 =====

Neutralizing Agent:NONE

===== Handling and Storage ==  
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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 SOCIETY AND OSHA PUBLICATION 2206.

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

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR-SUPPLIED  
RESPI

RATOR 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.

Hazardous 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 AND LOCAL REGULATIONS.

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