

STOODY CO -- STELLITE 1, 4, 6, TP-6, 12, 21, 25, 31, 190, 694 -- 3439-00-165-4182  
===== Product Identification =====

Product ID:STELLITE 1, 4, 6, TP-6, 12, 21, 25, 31, 190, 694

MSDS Date:04/16/1992

FSC:3439

NIIN:00-165-4182

MSDS Number: BVGHJ

=== 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

Preparer's Name:UNKNOWN.

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 - 2%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 5 MG/M3 DUST

ACGIH TLV:5 MG/M3 DUST 9394

Ingred Name:SILICON

CAS:

7440-21-3  
RTECS #:VW0400000  
Fraction by Wt: 0 - 5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9394

Ingred Name:CHROMIUM (SARA III)  
CAS:7440-47-3  
RTECS #:GB4200000  
Fraction by Wt: 20 - 40%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:0.5 MG/M3; 9394  
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 - 5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9  
394

Ingred Name:MOLYBDENUM (INSOLUBLE COMPOUNDS)  
CAS:7439-98-7  
RTECS #:QA4680000  
Fraction by Wt: 0 - 10%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3; 9394

Ingred Name:IRON  
CAS:7439-89-6  
RTECS #:NO4565500  
Fraction by Wt: 0 - 5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:TUNGSTEN,AS W,SOLUBLE COMPOUNDS.  
CAS:7440-33-7  
RTECS #:YO7175000  
Fraction by Wt: 0 - 15%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:NONE ESTABLISHED  
ACGIH TLV:1 MG/M3/3 STEL;9394

Ingred Name

:COBALT (SARA III),DUST AND FUME  
CAS:7440-48-4  
RTECS #:GF8750000  
Fraction by Wt: 30 - 60%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1 MG/M3  
ACGIH TLV:0.05 MG/M3;DUST 9394

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

LD50 LC50 Mixture:UNKNOWN.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:LUNGS, CNS, EYES, SKIN.  
ACUTE- OVEREXPOSURE TO WELDING FUMES MAY  
CAUSE DISCOMFORT, LUNG  
DAMAGE, DRYNESS/IRRITATION OF NOSE, THROAT & EYES, TIGHTNESS IN  
CHEST, FEVER, METALLIC TASTE & ALL ERGIC REACTIONS. SPARKS & UV  
LIGHT CAN INJURE EYES & BURN SKIN. CHRONIC- LUNG & LIVER DAMGE,  
ALLERGIC SKIN RECTIONS.  
Explanation of Carcinogenicity:CONTAINS CHROMIUM AND NICKEL.  
Effects of Overexposure:EYES, NOSE AND THROAT IRRITATION OR DRYNESS,  
DIZZINESS, WATERY EYES, HEADACHE, NAUSEA, BREATHING DIFFICULTY,  
FREQUENT COUGHING, CHEST PAINS, ASTHMA-LIK  
E SYMTOMS, TIGHTNESS IN  
CHEST, FEVER, ALLERGIC SK IN RASHES, METALLIC TASTE  
Medical Cond Aggravated by Exposure:PERSONS WITH IMPAIRED PULMONARY  
FUNCTION, AIRWAY DISEASES AND CONDITIONS SUCH AS ASTHMA, EMPHYSEMA,  
CHRONIC BRONCHITIS, ETC... CAN BE AGGRAVATED BY THE EXPOSURE TO  
METAL FUMES.

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

First Aid:OBTAIN MEDICAL ATTENTION. EMPLOY FIRST AID TECHNIQUES  
RECOMMENDED BY THE AMERICAN RED CROSS.

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

Flash Point:NOT RELEVANT  
Extinguishing Media:NON-FLAMMABLE. WELDING ARC AND SPARKS CAN IGNITE  
COMBUSTIBLES AND FLAMMABLES.  
Fire Fighting Procedures:MAY FORM TOXIC GASES WHILE WELDING. WEAR  
PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING  
APPARATUS OPERATED IN POSITIVE PRESSURE MODE.  
Unusual Fire/Explosion Hazard:REFER TO AMERICAN NATIONAL STANDARD Z49.1  
FOR FIRE PREVENTION DURING THE USE OF WELDING AND ALLIED

PROCEDURES.

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

Spill Release Procedures:NOT RELEVANT  
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN A DRY PLACE AWAY FROM ACIDS.  
Other Precautions:CAUTION! INFRARED RADIATION FROM FLAMES CAN INJURE EYES. NOISE CAN DAMGE HEARING. ELECTRICAL SHOCK CAN KILL. MAY FORM TOXIC FUMES WHILE WELDING. AVOID BREATHING FUMES. USE WITH AD EQUATE VENTILATION. W ASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:USE NIOSH APPROVED SUPPLIED AIR RESPIRATORY PROTECTION OR RESPIRABLE FUME RESPIRATOR WHEN WELDING, BRAZING OR SOLDERING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE B ELOW TLV.

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

Protective Gl

oves:FLAME-PROOF WELDING GLOVES

Eye Protection:SAFETY GLASSES UNDER WELDING HELMET

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, WORK CLOTHING AND APRON FOR WELDING.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. TRAIN WELDERS NOT TO TOUCH LIVE ELCTRICAL PARTS.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATIONS, SEE PNI A OR B OR C, SAME NSN.

===== Physical/Chemical Properties =====  
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HCC:T6

NRC/State Lic Num:NOT RELEVANT

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:INSOLUBLE

Appearance and Odor:WELDING ROD

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

Stability Indicator/Materials to Avoid:YES  
STRONG ACIDS

Stability Condition to Avoid:UNKNOWN.

Hazardous Decomposition Products:PRIMARILY COMPLEX OXIDES OF COBALT, CHROMIUM AND NICKEL; SECONDARILY COMPLEX OXIDES OF MN, SI, FE, BORON, MO, TU

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

Waste Disposal Methods:PRIOR TO DISPOSAL, CONSIDER IF MATERIAL HAS RECOVERY VALUE. DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. PREVENT WASTE FROM CONTAMINATING ENVIRONMENT.

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