

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; 9394

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

===== 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.

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

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

===== 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 DAMAGE HEARING. ELECTRICAL SHOCK CAN KILL. MAY FORM TOXIC FUMES WHILE WELDING. AVOID BREATHING FUMES. USE WITH AD  
EQUATE

VENTILATION. WASH 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 BELOW 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 ELECTRICAL 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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