

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 Nam

e: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 & ALLERGIC REACTIONS. SPARKS & UV LIGHT CAN INJURE EYES & BURN SKIN. CHRONIC- LUNG & LIVER DAMAGE, ALLERGIC SKIN REACTIONS.
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-LIKE SYMPTOMS, TIGHTNESS IN CHEST, FEVER, ALLERGIC SKIN 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 A DEQUATE 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 G
loves: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, T

UNGSTEN

===== 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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