

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

=====
===== 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 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 =====
=====

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.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.