

STOODY CO -- BUILD-UP LH, DYNAMANG LH, SELF HARDENING, 2110 -- 3439-01-005-8557

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

Product ID:BUILD-UP LH, DYNAMANG LH, SELF HARDENING, 2110

MSDS Date:04/16/1992

FSC:3439

NIIN:01-005-8557

MSDS Number: CDNXX

=== Responsible Party ===

Company Name:STOODY CO

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 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 313)

CAS:7439-96-5

RTECS #:OO9275000

Fraction by Wt: 0-20%

OSHA PEL:C 5 MG/M3 DUST

ACGIH TLV:5 MG/M3 DUST 9495

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Fraction by Wt: 0-10%

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/

M3 TDUST; 9495

Ingred Name:CHROMIUM (SARA 313) (CERCLA)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 1-10%

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9495

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:NICKEL (SARA 313) (CERCLA)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 0-1%

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9495

Ingred Name:MOLYBDENUM

CAS:7439-98-7

RTECS #:QA4680000

Fraction by Wt: 0-1%

OSHA PEL:10 PPM

ACGIH TLV:10 PPM

Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

Fraction by Wt: 45

-90%

OSHA PEL:10 MG/M3 (MFR)

ACGIH TLV:5 MG/M3 (MFR)

Ingred Name:TITANIUM OXIDE; (TITANIUM DIOXIDE)

CAS:13463-67-7

RTECS #:XR2275000

Fraction by Wt: 0-10%

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9495

Ingred Name:CALCIUM FLUORIDE; (FLUORIDE)

CAS:7789-75-5

RTECS #:EW1760000

Fraction by Wt: 0-5%

OSHA PEL:2.5 (MFR)

ACGIH TLV:2.5 AS F (MFR)

Ingred Name:CALCIUM CARBONATE

CAS:1317-65-3

RTECS #:EV9580000

Fraction by Wt: 0-10%

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9495

Ingred Na

me:GRAPHITE
CAS:7782-42-5
RTECS #:MD9659600
Fraction by Wt: 0-3%
OSHA PEL:15 MPPCF; Z-3
ACGIH TLV:2 MG/M3 RDUST; 9495

Ingred Name:EFTS OF OVEREXP:PULM FUNCTION. LONG TERM OVEREXP TO
MANGANESE CMPDS MAY AFFECT CNS. SYMPS INCL MUSCULAR WEAK(ING 12)
RTECS #:9999999ZZ

Ingred Name:ING 11:& TREMORS SIMILAR TO PARKINSON'S DISEASE. BEHAVIORAL
CHANGES & CHANGES IN HANDWRITING MAY ALSO APPEAR. (ING 13)
RTECS #:9999999ZZ

Ingred Name:ING 12:EMPLOYEES EXPOSED TO MANGANESE CMPDS SHOULD GET
QUAR
TERLY MED EXAMS FOR EARLY DETECTION OF (ING 14)
RTECS #:9999999ZZ

Ingred Name:ING 13:MANGANISM. STUDIES HAVE SHOWN THAT PRODUCTION
WORKERS EXPOSED TO HEXAVALENT CHROMIUM CMPDS HAVE AN INCR (ING 15)
RTECS #:9999999ZZ

Ingred Name:ING 14:INCIDENCE OF LUNG CANCER. CHROMATES MAY CAUSE AN
ULCERATION & PERFORATION OF NASAL SEPTUM. LIVER DMG (ING 16)
RTECS #:9999999ZZ

Ingred Name:ING 15:& ALLERGIC SKIN RASH HAVE BEEN RPTD. CHROMIUM VI
CMPDS ARE REQ BY OSHA TO BE CONSIDERED CARCIN. LONG TE
RM(ING 17)
RTECS #:9999999ZZ

Ingred Name:ING 16:OVEREXP TO NICKEL CMPDS MAY CAUSE
FIBROSIS/PNEUMOCONIOSIS. STUDIES OF NICKEL REFINERY WORKERS
INDICATED (ING 18)
RTECS #:9999999ZZ

Ingred Name:ING 17:A HIGHER INCIDENCE OF LUNG & NASAL CANCER. RPTD
OVEREXP TO FLUORIDE FUMES MAY CAUSE SERIOUS BONE EROSION (ING 19)
RTECS #:9999999ZZ

Ingred Name:ING 18:& EXCESS CALCIFICATION OF BONES & LIGAMENTS OF RIBS,
PELVIS & SPINAL COLUMN. FLUORIDES MAY ALSO CAUSE (ING 20)
RTECS #:9999999ZZ

In

Ingred Name:ING 19:SKIN RASH. SHIELDING GASES SUCH AS ARGON, HELIUM & CARBON DIOXIDE ARE ASPHY & ADEQ VENT MUST BE PROVIDED.(ING 21)
RTECS #:9999999ZZ

Ingred Name:ING 20:ARC RAYS:CAN INJURE EYES & BURN SKIN. HEAT RAYS (INFRARED RADIA FROM FLAME/HOT METAL) CAN INJURE EYES. (ING 22)
RTECS #:9999999ZZ

Ingred Name:ING 21:ELEC SHOCK CAN KILL. NOISE CAN DAMAGE HEARING. FOR MORE SPECIFIC INFORMATION CONTACT NEHC .
RTECS #:9999999ZZ

Ingred Name:HAZ DECOMP PROD:SECONDARILY COMPLEX OXIDES OF CHROMIUM, NICKEL, MOLYBDENUM & TITANIUM, CALCIUM, SODIUM & (ING 24)
RTECS #:9999999ZZ

Ingred Name:ING 23:POTASSIUM. GASEOUS REACTION PRODUCTS MAY INCLUDE CARBON MONOXIDE AND CARBON DIOXIDE. OZONE AND NITROGEN (ING 25)
RTECS #:9999999ZZ

Ingred Name:ING 24:OXIDES MAY BE FORMED BY THE RADIATION FROM THE ARC. FOR MORE INFORMATION, CONTACT NEHC .
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Rou

tes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ELECTRIC ARC WELDING/OXY FUEL WELDING MAY CREATE ONE/MORE OF THE FOLLOWING HLTH HAZ: FUMES & GASES-CAN BE DANGEROUS TO YOUR HLTH. COMMON ENTRY IS BY INHAL. ACUTE:OVEREXP TO WELDING FUMES MAY RSLT IN D ISCOMFORT SUCH AS DIZZ, NAUS/DRYNESS/IRRIT OF NOSE, THROAT/EYES. CHROMATES PRESENT IN THE FUME CAN (EFTS OF OVEREXP)

Explanation of Car

cinogenicity:NICKEL:IARC MONO ON EVAL OF CARCIN RISK OF CHEM TO MAN, VOL 49, PG 257, 1990:GROUP 2B. NTP 7TH ANNUAL RPT ON (SUPDAT)

Effects of Overexposure:HLTH HAZ:CAUSE IRRIT OF THE RESP SYS, DMG TO LUNGS & ASTHMA LIKE SYMPS. NICKEL CMPDS IN THE FUME CAN CAUSE A METALLIC TASTE, NAUS, TIGHTNESS IN THE CHEST, FEVER & ALLERGIC RXNS. FLUORIDE CAN CAUSE PUL M EDEMA BRONCHITIS. CHRONIC:OVEREXP TO WELDING FUMES CAN LEAD TO SIDEROSIS (IRON DEPOSITS IN THE LUNG) & AFFECT (ING

11)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures
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First Aid:CALL FOR MEDICAL AID. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS. INGEST: CALL MD IMMEDIATELY . INHAL: REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE O*2/ARTF RESP) . EYES: IMMEDIATELY FLUSH W/POTABLE WATERFOR A MINIMUM OF 15 MINUTES, SEEK ASSISTANCE FROM MD . SKIN: FLUSH W/COPIOUS AMOUNTS OF WATER. CAL L MD .

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Fire Fighting Measures
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Extinguishing Media:MEDIA SUITABLE FOR SURROUNDING FIRE .
Fire Fighting Procedures:USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .
Unusual Fire/Explosion Hazard:(NONFLAMM) WELDING ARC & SPARKS CAN IGNITE COMBUST & FLAMM. REFER TO AMERICAN NATIONAL STANDARD Z49.1 FOR FIRE PVNT DURING THE USE OF WELDING & ALLIED PROC.

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Accidental Release Measures
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Spill Release Procedures:NOT APPLICABLE.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:READ AND UNDERSTAND THE MANUFACTURER'S INSTRUCTIONS & THE PRECAUTIONARY LABEL ON THE PRODUCT.
Other Precautions:SEE AMERICAN NATIONAL STANDARD Z49.1, SAFETY IN WELDING & CUTTING PUBLISHED BY THE AMERICAN WELDING SOCIETY, P.O. BOX 351040, MIAMI, FL 33135 & OSHA PUBLICATION 2206 (29CFR1910). US GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C.

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Exposure Controls/Personal Protection
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Respiratory Protection:USE NIOSH APPROVED RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.
Ventilation:USE ENOUGH VENT, LOCAL EXHAUST AT ARC/BOTH, TO KEEP FUMES & GASES BELOW TLV'S IN WORKER'S BRTHG ZONE & GENERAL AREA.
Protective Gloves:WELDERS GLOVES.
Eye Protection:ANSI

APPRVD CHEM WORKERS GOGGLES(SUPDAT)

Other Protective Equipment:ANSI APPRVD EMER EYE WASH & DELUGE SHOWER .

WEAR HEAD, HAND & BODY PROT WHICH HELP TO PVNT INJURY FROM (SUPDAT)

Work Hygienic Practices:TRAIN WELDER TO KEEP HEAD OUT OF FUMES, NOT TO TOUCH LIVE ELEC PARTS & INSULATE (SUPDAT)

Supplemental Safety and Health

EXPLAN OF CARCIN:CARCIN, 1994:ANTIC TO BE CARCIN. EYE PROT:& FULL LENGTH FACESHIELD W/FILTER LENS. AS A RULE OF THUMB, START W/SHADE TOO DARK TO SEE WELD ZONE. THEN

GO TO NEXT LIGHTER SHADE WHI CH

GIVES SUFF VIEW OF WELD ZONE. OTHER PROT EQUIP:RADIA, SPARKS, & ELEC SHOCK. HYGIENE PRACT:HIMSELF FROM WORK & GROUND.

===== Physical/Chemical Properties =====

HCC:T6

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

Stability Indicator/Materials to Avoid:NO

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:REASONABLY EXPECTED FUME CONSTITUENTS

WOULD INCL:PRIMARILY FLUORIDES & COMPLEX OXIDES OF IRON, MANGANESE & (ING 23)

===== 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 AN D LOCAL REGULATIONS.

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