

120125
DOD Hazardous Materials Information System

DoD 6050.5-L

AS OF July 1998

FSC: 3439
NIIN: 001654182
Manufacturer's CAGE: 57965
Part No. Indicator: C
Part Number/Trade Name: STOODY 31

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General Information

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Item Name: ELECTRODE,WELDING
Company's Name: STOODY CO
Company's Street: 5557 NASHVILLE RD
Company's P. O. Box: 9997
Company's City: BOWLING GREEN
Company's State: KY
Company's Country: US
Company's Zip Code: 42102-4997
Company's Emerg Ph #: 502-781-9777
Company's Info Ph #: 502-781-9777
Distributor/Vendor # 1: NATIONAL TORCH TIP CO INC
Distributor/Vendor # 1 Cage: 93009
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: D
Record No. For Safety Entry: 003
Tot Safety Entries This Stk#: 005
Status: SEU
Date MSDS Prepared: 16APR92
Safety Data Review Date: 04JAN94
Supply Item Manager: CX
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:

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Other MSDS Number:
MSDS Serial Number: BMPYK
Specification Number: N/K
Spec Type, Grade, Class:
Hazard Characteristic Code: N1
Unit Of Issue: LB
Unit Of Issue Container Qty:
Type Of Container:
Net Unit Weight:

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NRC/State License Number:
Net Explosive Weight:
Net Propellant Weight-Ammo:
Coast Guard Ammunition Code:

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: MANGANESE (SARA III)
Ingredient Sequence Number: 01
Percent: 0-5
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: 009275000
CAS Number: 7439-96-5
OSHA PEL: (C) 5 MG/M3 DUST
ACGIH TLV: 5 MG/M3 DUST 9293
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: SILICON
Ingredient Sequence Number: 02
Percent: 0-5
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: VW0400000
CAS Number: 7440-21-3
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9293
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: CHROMIUM (SARA III)
Ingredient Sequence Number: 03

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Percent: 10-30
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: GB4200000
CAS Number: 7440-47-3
OSHA PEL: 1 MG/M3
ACGIH TLV: 0.5 MG/M3; 9192
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: NICKEL (SARA III)
Ingredient Sequence Number: 04
Percent: 0-1
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: QR5950000
CAS Number: 7440-02-0
OSHA PEL: 1 MG/M3
ACGIH TLV: 1 MG/M3; 9192

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Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: MOLYBDENUM
Ingredient Sequence Number: 05
Percent: 0-3
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: QA4680000
CAS Number: 7439-98-7
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3; 9293
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: IRON
Ingredient Sequence Number: 06
Percent: 45-80
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: NO4565500
CAS Number: 7439-89-6
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: 10 MG/M3 FE2O3 DUST

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Proprietary: NO
Ingredient: TITANIUM DIOXIDE
Ingredient Sequence Number: 07
Percent: 0-5
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: XR2275000
CAS Number: 13463-67-7
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9293
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: CALCIUM FLUORIDE
Ingredient Sequence Number: 08
Percent: 0-1
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: EW1760000
CAS Number: 7789-75-5
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: CALCIUM CARBONATE (MARBLE) (LIMESTONE)
Ingredient Sequence Number: 09

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Percent: 0-4
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: EV9580000
CAS Number: 1317-65-3
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9192
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: GRAPHITE, NATURAL
Ingredient Sequence Number: 10
Percent: 0-3
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: MD9659600
CAS Number: 7782-42-5
OSHA PEL: 15 MPPCF RDUST

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ACGIH TLV: 2 MG/M3 RDUST; 9293
Other Recommended Limit: NONE SPECIFIED

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Physical/Chemical Characteristics

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Appearance And Odor: COATED HIGH ALLOY ELECTRODES
Boiling Point: N/R
Melting Point: N/K
Vapor Pressure (MM Hg/70 F): N/R
Vapor Density (Air=1): N/R
Specific Gravity: N/R
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: N/R
Solubility In Water: N/R
Percent Volatiles By Volume: N/R
Viscosity:
pH: N/R
Radioactivity:
Form (Radioactive Matl):
Magnetism (Milligauss): N/P
Corrosion Rate (IPY): UNKNOWN
Autoignition Temperature:

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Fire and Explosion Hazard Data

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Flash Point: N/R
Flash Point Method: N/P
Lower Explosive Limit: N/R
Upper Explosive Limit: N/R
Extinguishing Media: NONCOMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE
TO THE SURROUNDING FIRE.
Special Fire Fighting Proc: TO EXTINGUISH A METAL POWDER FIRE USE DRY SAND, OR CLASS D FIRE EXTINGUISHERS. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire And Expl Hazrds: FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCT ION

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OF HAZARDOUS DECOMPOSITION PRODUCTS.

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Reactivity Data

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Stability: YES
Cond To Avoid (Stability): NONE
Materials To Avoid: MINERAL ACIDS AND STRONG OXIDIZING AGENTS
Hazardous Decomp Products: WELDING/CUTTING OPERATIONS MAY INCLUDE
ELEMENTAL METALS, OXIDES OF THE METALS, FUMES/GASES & ELECTROMAGNETIC
RADIATION.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT APPLICABLE
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Health Hazard Data
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LD50-LC50 Mixture: N/K
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: SHORT TERM EXPOSURE TO WELDING FUMES, GA
SES
OR DUST MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA, FEVER, DRY
NESS
AND/OR IRRITATION OF NOSE, THROAT AND EYES. SKIN SENSITIVITY MAY ALSO
BE
NOTED. LONG TERM EXPOSURE TO FUMES/GASES/DUST MAY CAUSE PULMONARY
IRRITATION OR PNEUMOCONIOSIS; & SIDEROSIS FROM IRON FUMES.
Carcinogenicity - NTP: YES
Carcinogenicity - IARC: YES
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NICKEL AND CHROMIUM ARE LISTED CARCINOENS
BY
IARC AND NTP.
Signs/Symptoms Of Overexp: EXPOSURE TO WELDING FUMES MAY RESULT IN
DISCOMFORT SUCH AS DIZZINESS, NAUSEA, FEVER, DRYNESS AND/OR IRRITATION
OF
NOSE, THROAT AND EYES. SKIN SENSITIVITY MAY ALSO BE NOTED. WATERY EYES
,
HEADACHE, BREATHING DIFFICULTY, FREQUENT COUGHING AND/OR CHEST PAINS M
AY
OCCUR FROM ACUTE EXPOSURE. TOXIC GASES CAN BE FATAL.
Med Cond Aggravated By Exp: INDIVIDUALS WITH IMPAIRED PULMONARY FUNCTI
ON
OR ILLNESS MAY HAVE SYMPTOMS EXACERBATED BY IRRITANTS CONTAINED IN WEL
DING
FUMES.
Emergency/First Aid Proc: IN CASE OF ELECTRICAL SHOCK, TURN OFF POWER
PRIOR TO REMOVAL FROM EXPOSURE AREA AND ADMINISTRATION OF FIRST AID. R

REMOVE
FROM EXPOSURE AREA AND CALL FOR MEDICAL AID. ADMINISTER OXYGEN IF BREATHING
IS DIFFICULT. IF NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION. IF NO
DETECTABLE PULSE, BEGIN EXTERNAL HEART MASSAGE. EMPLOY FIRST AID TECHNIQUES
RECOMMENDED BY THE AMERICAN RED CROSS.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: CLEAN UP ANY GRINDING DUST OR WASTE RESIDUES
AND PLACE IN SUITABLE DOT APPROVED CONTAINERS AND DISPOSE OF IN FULL
COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. AVOID INHALATION
AND
SKIN EXPOSURE.

Neutralizing Agent: NOT APPLICABLE

Waste Disposal Method: DISPOSE I/A/W FEDERAL, STATE & LOCAL REGULATIONS.

CHROMIUM IS REGULATED BY EPA.

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Precautions-Handling/Storing: WEAR GLOVES AND FLAME RETARDANT CLOTHING
WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN
HOT
CUTTING OR WELDING.

Other Precautions: PROVIDE PROTECTIVE SCREENS TO SHIELD OTHERS. WHEN
ELECTRODES AND FLUXES ARE CONSUMED, THE FUME AND GAS DECOMPOSITION PRODUCTS
GENERATED ARE DIFFERENT IN FORM FROM THE INGREDIENTS LISTED. NEW COMPOUNDS
NOT IN THE ELECTRODES MAY FORM.

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Control Measures

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Respiratory Protection: USE WELD FUME RESPIRATOR OR AIR SUPPLIED
RESPIRATOR WHEN CUTTING, GRINDING OR WELDING IN A CONFINED SPACE OR WHERE
LOCAL EXHAUST OR GENERAL VENTILATION DOES NOT KEEP EXPOSURE BELOW
RECOMMENDED LIMITS. USE ONLY NIOSH APPROVED RESPIRATORS.

Ventilation: USE ENOUGH VENTILATION WHEN CUTTING, GRINDING OR WELDING
TO
KEEP THE DUST, FUMES & GASES FROM THE WORKERS BREATHING ZONE

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Protective Gloves: FLAMEPROOF GAUNTLETS GLOVES

Eye Protection: OSHA APPROVED GOGGLES/FACE SHIELD W/LENS

Other Protective Equipment: FLAME RETARDANT CLOTHING WHEN CUTTING,
GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING
OR
WELDING.

Work Hygienic Practices: WASH THOROUGHLY BEFORE EATING OR SMOKING. LAU
NDER

CONTAMINATED CLOTHING BEFORE REUSE.

Suppl. Safety & Health Data: WELDING AND HOT CUTTING FUMES & GASES CAN
NOT

BE CLASSIFIED SIMPLY. THEIR COMPOSITION AND QUANTITY ARE DEPENDENT ON
THE

METAL BEING WELDED, THE PROCEDURES, PROCESSES AND THE TYPE OF WIRE OR
ELECTRODES USED. OTHER INFLUENCING FACTORS ARE THE PRESENCE OF
CONTAMINANTS. CHLORINATED SOLVENTS MAY DECOMPOSE TO TOXIC GASES.

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Transportation Data

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Transportation Action Code:

Transportation Focal Point: D

Trans Data Review Date: 92086

DOT PSN Code: ZZZ

DOT Symbol:

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

DOT Class: N/R

DOT ID Number: N/R

DOT Pack Group:

DOT Label: N/R

DOT/DoD Exemption Number:

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATIO
N

IMO Regulations Page Number: N/R

IMO UN Number: N/R

IMO UN Class: N/R

IMO Subsidiary Risk Label: N/R

IATA PSN Code: ZZZ

IATA UN ID Number: N/R

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATIO
N

IATA UN Class: N/R

IATA Subsidiary Risk Class: N/R

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IATA Label: N/R
AFI PSN Code: ZZZ
AFI Symbols:
AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI Class: N/R
AFI ID Number: N/R
AFI Pack Group:
AFI Label: N/R
AFI Special Prov:
AFI Basic Pac Ref:
MMAC Code:
N.O.S. Shipping Name:
Additional Trans Data: DIAMETER:0.156 INCHES.

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Disposal Data

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Disposal Data Action Code:
Disposal Data Focal Point:
Disposal Data Review Date:
Rec # For This Disp Entry:
Tot Disp Entries Per NSN:
Landfill Ban Item:
Disposal Supplemental Data:
1st EPA Haz Wst Code New:
1st EPA Haz Wst Name New:
1st EPA Haz Wst Char New:
1st EPA Acute Hazard New:
2nd EPA Haz Wst Code New:
2nd EPA Haz Wst Name New:
2nd EPA Haz Wst Char New:
2nd EPA Acute Hazard New:
3rd EPA Haz Wst Code New:
3rd EPA Haz Wst Name New:
3rd EPA Haz Wst Char New:
3rd EPA Acute Hazard New:

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Label Data

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Label Required: YES
Technical Review Date: 26MAR92
Label Date:
MFR Label Number: UNKNOWN
Label Status: F
Common Name: STOODY 31

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Chronic Hazard: YES
Signal Word: WARNING!
Acute Health Hazard-None:
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate: X
Acute Health Hazard-Severe:
Contact Hazard-None:
Contact Hazard-Slight:
Contact Hazard-Moderate: X

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Contact Hazard-Severe:
Fire Hazard-None:
Fire Hazard-Slight: X
Fire Hazard-Moderate:
Fire Hazard-Severe:
Reactivity Hazard-None: X
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Special Hazard Precautions: SHORT TERM EXPOSURE TO WELDING FUMES, GASES OR DUST MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA, FEVER, DRYNESS AND/OR IRRITATION OF NOSE, THROAT AND EYES. SKIN SENSITIVITY MAY ALSO BE NOTED. ACUTE EXPOSURE FROM SOME TOXIC GASES MAY CAUSE PULMONARY EDEMA, ASPHYXIATION AND EXCESSIVE EXPOSURE CAN BE FATAL. FIRST AID: IN CASE OF ELECTRICAL SHOCK, TURN OFF POWER PRIOR TO REMOVAL FROM EXPOSURE AREA. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE OXYGEN. GET MEDICAL HELP. EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL HELP. SKIN BURNS: WASH WITH COLD WATER. GET MEDICAL HELP. DO NOT INHALE FUMES AND DUST.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: STODY CO
Label Street: 5557 NASHVILLE RD
Label P.O. Box: 9997
Label City: BOWLING GREEN
Label State: KY
Label Zip Code: 42101-7546
Label Country: US
Label Emergency Number: 502-781-9777
Year Procured: 1992

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