

KESSLER STANLEY AND COMPANY INC. -- WELDING RODS -- 3439-00-166-9584

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Product Identification  
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Product ID:WELDING RODS

MSDS Date:01/01/1987

FSC:3439

NIIN:00-166-9584

MSDS Number: BMPYQ

=== Responsible Party ===

Company Name:KESSLER STANLEY AND COMPANY INC.

Address:103 QUEENS SR

Box:340

City:KING OF PRUSSIA

State:PA

ZIP:19406-3518

Country:US

Info Phone Num:215-242-1100

Emergency Phone Num:

215-242-1100

CAGE:6P736

=== Contractor Identification ===

Company Name:KESSLER STANLEY AND COMPANY INC.

Address:103 QUEENS SR

Box:City:KING OF PRUSSIA

State:PA

ZIP:19406-3518

Country:US

Phone:215-242-1100

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Composition/Information on Ingredients  
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Ingred Name:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000

Other REC Limits:NONE SPECIFIED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

Other REC Limits:NONE SPECI

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OSHA PEL:5 MG/M3  
ACGIH TLV:10 MG/M3 AS FE2O3

Ingred Name:CHROMIUM (SARA III)  
CAS:7440-47-3  
RTECS #:GB4200000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1 MG/M3  
ACGIH TLV:0.5 MG/M3; 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:MOLYBDENUM  
CAS:7439-98-7  
RTECS #:QA4680000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3; 9293

Ingred Name:MANGANESE (SARA III)  
CAS:7439-96-5  
RTECS #:OO9275000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:(C) 5 MG/M3 DUST  
ACGIH TLV:5 M  
G/M3 DUST 9293

Ingred Name:SILICON  
CAS:7440-21-3  
RTECS #:VW0400000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:NIOBIUM  
CAS:7440-03-1  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:5 MG/M3  
ACGIH TLV:5 MG/M3

Ingred Name:COPPER (SARA III)  
CAS:7440-50-8  
RTECS #:GL5325000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.1MG/M3 FUME/1 DUST  
ACGIH TLV:0.2MG/M3 FUME; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ALUMINUM (SARA III)  
CAS:7429-90

-5

RTECS #:BD0330000

Other REC Limits:NONE SPECIFIED

OSHA PEL:15MG/M3 DUST/5 FUME

ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:TITANIUM, METAL

CAS:7440-32-6

RTECS #:XR1700000

Other REC Limits:NONE SPECIFIED

Ingred Name:VANADIUM (SARA III)

CAS:7440-62-2

RTECS #:YW1355000

Other REC Limits:NONE SPECIFIED

OSHA PEL:C,0.5 MG V2O5/M3 RD

ACGIH TLV:0.05 MG V2O5/M3;9293

Ingred Name:TUNGSTEN

CAS:7440-33-7

RTECS #:YO7175000

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3/ 10 STEL

ACGIH TLV:5 MG/M3/10 STEL;

9192

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:ELECTRIC ARC-WELDING MAY CREATE ONE OR MORE OF THE FOLLOWING HEALTH HAZARDS: FUMES AND GASES CAN BE DANGEROUS TO YOUR HEALTH. ARC RAYS CAN INJURE EYES AND BURN SKIN. ELECTRIC SHOCK CAN KILL.

Explanation of Carcinogenicity:THIS MATERIAL CONTAINS NICKEL AND CHROMI

UM.

Effects of Overexposure:SHORT-TERM OVEREXPOSURE TO WELDING FUMES MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA, OR DRYNESS OR IRRITATION OF NOSE, THROAT, OR EYES, TIGHTNESS IN CHEST, FEVER AND ALLERGIC REACTIONS. LONG- TERM OVEREXPOSURE MAY LEAD TO SIDEROSISAND IS BELIEVED BY SOME INVESTIGATORS TO AFFECT PULMONARY FUNCTION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First

Aid:REMOVE TO FRESH AIR, OBTAIN MEDICAL ATTENTION. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS.

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Fire Fighting Measures  
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Extinguishing Media:AS APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage  
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Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.  
Other Precautions:USE EXHAUST SYSTEM TO CLEAR WELDING FUMES. SEE AMERICAN STANDARD Z49.1-1933, SAFETY IN WELDING AND CUTTING HANDBOOK, VOL. 1, CHAPTER 9, SAFE PRACTICES IN WELDING AND CUTTING FOR ADDITIONAL SAFETY INFORMATION.

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Exposure Controls/Personal Protection  
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Respiratory Protection:USE RESPIRABLE FUME RESPIRATORY OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN A CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW THE RECOMMENDED EXPOSURE LIMIT.  
Ventilation:USE ENOUGH VENTILATION, LOCAL EXHAUST AT THE ARC, OR BOTH, TO KEEP THE FUMES AND GAS FROM THE WORKER'S BREATHING ZONE.  
Protective Gloves:WELDER'S GLOVES  
Eye Protection:HELMET OR FACE SHIELD WITH FILTER LENS  
Other Protective Equipment:BODY PROTECTION TO PREVENT INJURY FROM RADIATION.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
NONE

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Physical/Chemical Properties  
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HCC:N1  
Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES  
NONE, UNLESS OTHERWISE SPECIFIED.  
Stability Condition to Avoid:NONE, UNLESS OTHERWISE SPECIFIED.  
Hazardous Decomposition Products:THE COMPOSITION AND QUALITY OF WELDING FUMES AND GASES ARE DEPENDENT UPON THE METAL BEING WELDED, ETC.

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Disposal Considerations  
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Waste Disposal

I 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 AND LOCAL REGULATIONS.

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