

SANDVIK INC WELDING AND WIRING DIVISION -- SANDVIK -- 3439-01-164-5274

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Product Identification  
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Product ID:SANDVIK

MSDS Date:04/01/1991

FSC:3439

NIIN:01-164-5274

MSDS Number: BYDKK

=== Responsible Party ===

Company Name:SANDVIK INC WELDING AND WIRING DIVISION

Address:INTERSTATE 81 EXT 59

Box:1220

City:SCRANTON

State:PA

ZIP:18501-1220

Country:US

Info Phone Num:717-587-5191 FAX:717-586-81

83

Emergency Phone Num:717-587-5191

CAGE:61005

=== Contractor Identification ===

Company Name:SANDVIK INC WELDING AND WIRING DIVISION

Address:INTERSTATE 81 EXT 59

Box:1220

City:SCRANTON

State:PA

ZIP:18501

Country:US

Phone:717-587-5191

CAGE:61005

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Composition/Information on Ingredients  
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Ingred Name:CHROMIUM (SARA 313) (CERCLA)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 0 - 25%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9495

EPA Rpt Q

ty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:COPPER (SARA 313) (CERCLA)  
CAS:7440-50-8  
RTECS #:GL5325000  
Fraction by Wt: 30 - 65%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1MG/M3 FUME/1 DUST  
ACGIH TLV:0.2 MG/M3 FUME; 9495  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:IRON  
CAS:7439-89-6  
RTECS #:NO4565500  
Fraction by Wt: 1 - 5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3 (TDUST)  
ACGIH TLV:5 MG/M3 (OXIDE FUME)

Ingred Name:MANGANESE (SARA 313)  
CAS:7439-96-5  
RTECS #:OO9275000  
Fraction by  
Wt: 1 - 5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 5 MG/M3 DUST  
ACGIH TLV:5 MG/M3 DUST 9495

Ingred Name:MOLYBDENUM  
CAS:7439-98-7  
RTECS #:QA4680000  
Fraction by Wt: 1 - 10%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 PPM.  
ACGIH TLV:10 PPM.

Ingred Name:NICKEL (SARA 313) (CERCLA)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 30 - 65%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9495

Ingred Name:NIOBIUM (ALSO CALLED COLUMBIUM)  
CAS:7440-03-1  
Fraction by Wt: 0 - 5%

Other REC Limits:NONE RECOMMENDED

Ingred Name:TITANIUM,

CAS:7440-32-6

RTECS #:XR1700000

Fraction by Wt: 1 - 5%

Other REC Limits:NONE RECOMMENDED

===== Fire Fighting Measures =====

Flash Point:NONFLAMMABLE

Extinguishing Media:USE CHEMICAL OR SAND FOR MOLTEN METALS. COOL  
FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND  
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL  
FACEPIECE OPERATED

IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:THIS PRODUCT IS NONREACTIVE,  
NONFLAMMABLE, NONEXPLOSIVE AND NONHAZARDOUS UNTIL WELDED. WELDING  
ARC AND SPARKS CAN IGNITE COMBUSTIBLE AND FLAMMABLE MATERIALS.

===== Exposure Controls/Personal Protection =====

Supplemental Safety and Health

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT REL  
EVENT

Solubility in Water:INSOLUBLE

Appearance and Odor:WELDING WIRE OR STRIP - ODORLESS

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS

Stability Condition to Avoid:NONE

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