

INCO ALLOYS INTERNATIONAL INC -- MONEL W.E. 190N -- 3439-00-230-1706

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Product Identification  
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Product ID:MONEL W.E. 190N

MSDS Date:12/01/1990

FSC:3439

NIIN:00-230-1706

MSDS Number: BYFFR

=== Responsible Party ===

Company Name:INCO ALLOYS INTERNATIONAL INC

Address:1401 BURRIS RD

City:NEWTON

State:NC

ZIP:28658-1754

Country:US

Info Phone Num:704-465-0356

Emergency Phone Num:704-465-0356

CAGE:9Z762

=== Contractor Identification ===

Company Name:INCO ALLOYS INTERNATIONAL INC

Address:1401 BURRIS RD

Box:City:NEWTON

State:NC

ZIP:28658-1754

Country:US

Phone:800-624-3411

CAGE:9Z762

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Composition/Information on Ingredients  
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Ingred Name:BARIUM CARBONATE

CAS:513-77-9

RTECS #:CQ8600000

Fraction by Wt: 1-5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG BA/M3

ACGIH TLV:2 MG BA/M3

Ingred Name:CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS:1317-65-3

RTECS #:EV95800

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Fraction by Wt: 1-5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9495

Ingred Name:CALCIUM FLUORIDE (AS F)

CAS:7789-75-5

RTECS #:EW1760000

Fraction by Wt: 1-5%

Other REC Limits:NONE RECOMMENDED

Ingred Name:COPPER (SARA 313) (CERCLA)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 15-40%

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: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:NICKEL (SARA 313) (CERCLA)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 40-70%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9495

Ingred Name:SODIUM FLUORALUMINATE

CAS:15096-52-3

RTECS #:WA9625000

Fraction by Wt: 5-10%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2.5 MG (F)/M3

ACGIH TLV:2.0 MG (AL)/M3

Ingred Name:SOD

IUM SILICATE  
CAS:1344-09-8  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SILICON DIOXIDE  
CAS:14808-57-0  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:TITANIUM  
CAS:7440-32-6  
RTECS #:XR1700000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:TITANIUM DIOXIDE  
CAS:13463-67-7  
RTECS #:XR2275000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9495

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Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: INHALATION OF WELDING FUMES MAY CAUSE NERVOUS SYSTEM AND MUSCLE IRREGULARITIES, IRRITATION OF EYES, NOSE, THROAT, AND RESPIRATORY SYSTEM, METAL FUME FEVER. CHRONIC: INHALATION OF FUMES MAY CAUSE CANCER, FLUOROSIS AND AFFECT LUNG FUNCTION.

Explanation of Carcinogenicity:CONTAINS NICKEL WHICH IS LISTED BY BOTH IARC AND NTP.

Effects of Overexposure:INHALATION: NAUSEA, DIZZINESS, DRYNESS OF NOSE AND THROAT, COUGHING, WHEEZING AND SHORTNESS OF BREATH. EYES: REDNESS, TEARING, BLURRED VISION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures =====

First Aid:INHALATION: REMOVE TO FRESH AIR. RESUSCITATE IF NEEDED. EYES: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: WASH WITH SOAP

AND WATER. INGESTION: DO NOT INDUCE VOMITING. SEE DOCTOR.

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Fire Fighting Measures  
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Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.  
Unusual Fire/Explosion Hazard:NON-FLAMMABLE; BUT SPARKS AND WELDING ARC MAY IGNITE COMBUSTIBLES DURING USE.

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Accidental Release Measures  
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Spill Release Procedures:PICK UP RODS. SWEEP UP OR MOP. PLACE RESIDUE IN A CONTAINER FOR DISPOSAL.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage  
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Handling and Storage Precautions:REMOVE ANY COMBUSTIBLES FROM WORK AREA: SPARKS OR WELDING ARC COULD IGNITE NEARBY COMBUSTIBLES.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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Exposure Controls/Personal Protection  
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Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR WELDING FUMES OR SUPPLIED AIR RESPIRATOR IN CONFINED SPACES OR WHERE FUME CONCENTRATION EXCEEDS REGULATORY LIMITS.  
Ventilation:USE MECHANICAL OR LOCAL EXHAUST OR BOTH TO MAINTAIN LEVELS OF FUMES BELOW REGULATORY LIMITS.  
Protective Gloves:WELDERS WORK GLOVES  
Eye Protection:WELDERS HELMET WITH CORRECT LENSES  
Other Protective Equipment:CLOTHING TO PROTECT ENTIRE BODY FROM SPARKS.  
Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.  
Supplemental Safety and Health

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Physical/Chemical Properties  
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HCC:N1  
Solubility in Water:INSOLUBLE  
Appearance and Odor:WELDING ELECTRODES ARE METALLIC SILVER COLORED WIRE WITH A FLUX COATING OR CORE

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES  
NONE SPECIFIED BY MANUFACTURER.  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decom

position Products:NONE SPECIFIED BY MANUFACTURER.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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