

INCO ALLOYS INTERNATIONAL INC -- INCONEL FILLER METAL 92 -- 3439-00-602-2163

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Product Identification  
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Product ID:INCONEL FILLER METAL 92

MSDS Date:02/01/1986

FSC:3439

NIIN:00-602-2163

MSDS Number: BPQTV

=== Responsible Party ===

Company Name:INCO ALLOYS INTERNATIONAL INC

Address:1401 BURRIS RD

City:NEWTON

State:NC

ZIP:28658

Country:US

Info Phone Num:304-526-5436

Emergency Phone Num:304-

526-5780

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:CHROMIUM; (CR) (SARA III)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 17%

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:IRON (III) OXIDE; (FE)

CAS:1309-37-1

RTECS #:NO740000

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Fraction by Wt: 7%  
OSHA PEL:10 MG/M3 (FE)  
ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:MANGANESE; (MN) (SARA III)  
CAS:7439-96-5  
RTECS #:OO9275000  
Fraction by Wt: 3%  
OSHA PEL:(C) 5 MG/M3 DUST  
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:NICKEL; (NI) (SARA III)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 71%  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3

Ingred Name:TITANIUM; (TI) PEL/TLV AS TITANIUM DIOXIDE  
CAS:7440-32-6  
RTECS #:XR1700000  
Fraction by Wt: 4%  
OSHA PEL:10 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:METALLIC TASTE, NAUS, TIGHTNESS  
OF CHEST, FEVER, IRRIT OF EYES, NOSE, THROAT & SKIN; LOSS OF  
CONSCIOUSNESS/DEATH DUE TO WELDING GASES/LACK OF O\*2.  
CHRONIC:ADVERSE EFTS MAY RESULT FROM LONG TIME EXPOS TO WELDING

FUMES, GASES/DUSTS. THESE EFTS MAY INCL SKIN SENSIT, NEUROLOGICAL  
DMG, & RESP (EFTS OF OVEREXPOS)

Explanation of Carcinogenicity:CHROMIUM:KNOWN CARCINOGEN (NTP), GROUP 1  
(IARC); NICKEL:ANTICIPATED TO BE A CARCINOGEN (NTP), GROUP 2B  
(IARC).

Effects of Overexposure:HLTH HAZ:DISEASE SUCH AS BRONCHIAL ASTHMA, LUNG  
FIBROSIS/PNEUM. NI & CR MUST BE CONSIDERED POSS CARCIN. RECENT  
EPIDEMIOLOGICAL STUDIES OF WORKERS MELTING & WORKING ALLOYS  
CONTAINING NI/CR HAVE FOUND N O INCREAS

E RISK OF CANCER.

NEVERTHELESS, EXPOS MUST BE MAINTAINED BELOW LEV SPECIFIED.

Medical Cond Aggravated by Exposure:AGGRAVATION OF PREEXISTING  
RESPIRATORY OR ALLERGIC CONDITIONS MAY OCCUR IN SOME WORKERS.

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First Aid Measures  
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First Aid:INGEST:CALL MD IMMEDIATELY . EYES:IMMEDIATELY FLUSH WITH  
POTABLE WATER FOR A MINIMUM OF 15 MINUTES, SEEK ASSISTANCE FROM MD  
. SKIN:FLUSH WITH COPIOUS AMOUNTS OF WATER. CALL MD . INHA L:REMOVE  
FROM  
EXPOSURE AND OBTAIN PROMPT MD ATTENTION. IF VICTIM IS  
UNCONSCIOUS, ADMINISTER OXYGEN. IF NOT BREATHING, RESUSITATE  
IMMEDIATELY.

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Fire Fighting Measures  
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Flash Point:NONFLAMMABLE

Extinguishing Media:MEDIA SUITABLE FOR SURROUNDING FIRE .

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL  
PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:NONFLAMMABLE; HOWEVER, WELDING ARCS AND  
SPARKS CAN IGNITE FLAMMABLE LIQUIDS AND VAPO  
RS AND COMBUSTIBLE  
SOLIDS.

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Accidental Release Measures  
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Spill Release Procedures:VACUUM RESIDUE FROM CUTTING, GRINDING OR  
WELDING OPERATIONS INTO SUITABLE CONTAINERS.

Neutralizing Agent: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:MAINTAIN EXPOS