

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:304-5

26-5780

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 #:NO7400000

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 INCREASE

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 VAPOR
S 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