

INCO ALLOYS INTERNATIONAL INC -- INCONEL FILLER METAL 62 & 62T -- 3439-01-135-5691

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Product Identification  
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Product ID:INCONEL FILLER METAL 62 & 62T

MSDS Date:01/01/1992

FSC:3439

NIIN:01-135-5691

MSDS Number: BRNSF

=== Responsible Party ===

Company Name:INCO ALLOYS INTERNATIONAL INC

Address:1401 BURRIS RD

City:NEWTON

State:NC

ZIP:28658-1754

Country:US

Info Phone Num:304-624-3411

Emergenc

y Phone Num:304-5265780

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 (SARA III)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 16%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9293

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:IRON

CAS:6596-57-0  
Fraction by Wt: 8%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:NICKEL (SARA III)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 74%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9293

Ingred Name:NIOBIUM (ALSO CALLED COLUMBIUM)  
CAS:7440-03-1  
Fraction by Wt: 3%  
Other REC Limits:NONE RECOMMENDED

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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:NICKEL:SKIN:SENSITIZER.INHAL,CHRONIC:DUST MAY CAUSE LUNG  
CANCER.CHROMIUM:INHAL:DUST AND FUMES MAY CAUSE LUNG DAMAGE.SKIN:MAY  
CAUSE ECZEMA;SENSITIZER.NIOBIUM(COLUMBIAN):NO DATA.

Explanation of Carcinogenicity:CHROMIUM AND NICKEL AND THEIR COMPOUNDS  
ARE LISTED AS CARCINOGENS BY NTP & IARC. SEE INDIVIDUAL REPORTS FOR  
DETAILS.

Effects of Overexposure:METAL FUME FEVER:METALLIC TASTE,NAUSEA,  
TIGHTNESS OF CHEST, FEVER,DIZZINES  
S EYE,NOSE,THROAT DRYNESS AND  
IRRITATION.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH IMPAIRED PUMONARY  
FUNCTION OR ILLNESS MAY HAVE SYMPTOMS EXASCERBATED BY IRRITANTS  
CONTAINED IN WELDING FUMES.

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

First Aid:EYES:FLUSH WITH WATER FOR 15 MINUTES.CALL PYSICIAN IF  
SYMPTOMS PERSIST.SKIN:WASH WITH SOAP AND WATER.CALL PHYSICIAN IF  
RASH PERSISTS.INHAL:INHALREMOVE FROM EXPOSURE.CALL PHYSICIAN FOR  
METAL

FUME FEVER .INGEST:CALL PHYSICIAN IF SYMPTOMS APPEAR.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:ARCS, SPARKS OR HOT METAL FROM A WELDING OPERATION MAY IGNITE NEARBY COMBUSTABLE MATERIAL.

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===== Accidental Release Measures =====

Spill Release Procedures:VACUUM OR SHOVEL ANY GRINDING DUST OR WASTE RESIDUE AND PLACE IN SUITABLE CONTAINER FOR DISPOSAL.

Neutralizing Agent:NONE

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===== Handling and Storage =====

Handling and Storage Precautions:HMIS SUGGESTS TO USE GOOD INDUSTRIAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Other Precautions:TRAIN WELDER TO KEEP HIS HEAD OUT OF THE FUMES.MONITOR AIR TO ENSURE ACCEPTABLE EXPOSURES.AVOID ELECTRICAL SHOCK BY MAINTAINING DRY WORK AREA.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR METAL FUME/DUST IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134.USE AN AIR SUPPLIED RESPIRATOR WHEN WELDING IN ENCLOSED SPACES.

Ventilation:USE LOCAL EXHAUST WHEN WELDING.

Protective Gloves:WELDERS GLOVES

Eye Protection:HELMET/FACE SHIELD W/ANSI FILTER LENS.

Other Protective Equipment:FLAME RETARDANT CLOTHING WHEN WELDING.DO NOT EXPOSE EYES OR SKIN TO RADIATION FROM WELDING.REFER TO ANSI F2.2.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health

NONE

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===== Physical/

Chemical Properties =====

HCC:N1

NRC/State Lic Num:NONE

Melt/Freeze Pt:M.P/F.P Text:>2552F,>140

Spec Gravity:8-9

Solubility in Water:NEGLIGIBLE

Appearance and Odor:METALLIC SILVER COLORED WIRE, ODORLESS

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

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:COMPOSITION OF WELDING FUMES AND GASES  
DEPEND BOTH ON THE SPRAY POWDER USED AND ON THE CONDITIONS OF USE.

Conditions to Avoid Polyme  
rization:WILL NOT OCCUR

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

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

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