

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

===== Product Identification =====

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

===== Composition/Information on Ingredients =====

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

===== 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.

===== 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.

===== 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.

===== 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

===== 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.

===== 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

===== 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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its

use. Any person utilizing this

document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.