

INCO ALLOYS INTERNATIONAL INC -- INCONEL FILLER METAL 62 & 62T -- 3439-01-007-8134

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

Product ID:INCONEL FILLER METAL 62 & 62T
MSDS Date:01/01/1992
FSC:3439
NIIN:01-007-8134
MSDS Number: BQGQR
=== 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
Emergenc
y Phone Num:704-465-0356
Preparer's Name:B.J.NOLAND
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 Rp

t 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:SHORT TERM OVEREXPOSURE TO FUMES

GENERATED DURING WELDING PROCESSES MAY PRODUCE METAL FUME FEVER.
LONG TERM OVEREXPOSURE MAY RESULT IN SIDEROSIS OR SIMILAR PULMONARY
CONDITIONS. IN ADDITION TO THESE, WELDING HAZARDS INCLUDE ULTRA
VIOLET RADIATION BURNS FROM THE ARC RAYS, THERMAL BURNS AND
ELECTRIC SHOCK.

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,DIZZINESS EYE,NOSE,THROAT
DRYNESS AND IRRITATION.

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

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

First Aid:CALL FOR MEDICAL AID. INHALED: RE

MOVE FROM EXPOSURE, ASSIST

BREATHING OR GIVE OXYGEN AS NEEDED. ELECTRIC SHOCK: SHUT OFF POWER AND USE RED CROSS FIRST AID PROCEDURES AS NEEDED. UV BURNS: TREAT AS SUN BURN IF ON SKIN AND SEE A PHYSICIAN IF ON EYES. USE NORMAL FIRST AID FOR THERMAL BURNS.

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

Flash Point:NON-FLAMMABLE

Upper Limits:ARCS, SPARKS

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 RECOVERY.

Neutralizing Agent:NO INFORMATION GIVEN ON MSDS BY MFR.

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

Handling and Storage Precautions:MFR: ? HMIS: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:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. 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 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.

Ventilation:GENERAL (NATURAL OR INDUCED AIR MOVEMENT WHICH WILL MAINTAIN EXPOSURES BELOW PEL/TLV.

Protective Gloves:WELDERS GLOVES

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

Other Protective Equipment: APRONS, SLEEVES, ETC. AS NECESSARY TO PROTECT THE WORKER.

Work Hygienic Practices: MFR: ? HMIS: USE GOOD INDUSTRIAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

KEY2:KT MSDS RECEIVED FROM NAVY (FOCAL POINT N). CAGE CODE AND NSN IDENTIFIED BY THEM. MSDS WAS DATED FEB86, BUT WAS INCLUDED WITH ANOTHER FOR THE SAME MATERIAL DATED 01JAN92. THE NEWER ONE WAS USED

=====

===== Physical/Chemical Properties =====

HCC:N1

NRC/State Lic Num:NONE

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

Solubility in Water:NEGLIGIBLE

Appearance and Odor:METALLIC SILVER COLORED WIRE, ODORLESS

Percent Volatiles by Volume:NIL

===== 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 Polymerization:WILL NOT OCCUR

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

Waste Disposal Methods:IF RECOVERY IS NOT PRACTICAL, 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.