

INCO ALLOYS INTERNATIONAL INC -- INCONEL FILLER METAL 625 (625T) -- 3439-01-140-0956

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

Product ID:INCONEL FILLER METAL 625 (625T)

MSDS Date:02/01/1986

FSC:3439

NIIN:01-140-0956

MSDS Number: BPZKR

=== Responsible Party ===

Company Name:INCO ALLOYS INTERNATIONAL INC

Address:1401 BURRIS RD

City:NEWTON

State:NC

ZIP:28658-1754

Country:US

Info Phone Num:304-526-5436

Eme

Agency 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

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

Ingred Name:CHROMIUM (SARA III)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 22%

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 Nam

e:IRON OXIDE  
CAS:1309-37-1  
RTECS #:NO7400000  
Fraction by Wt: 3%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3 (FE)  
ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:MOLYBDENUM  
CAS:7439-98-7  
RTECS #:QA4680000  
Fraction by Wt: 9%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3; 9293

Ingred Name:NICKEL (SARA III)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 61%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9293

Ingred Name:NIOBIUM (ALSO CALL  
ED COLUMBIUM)  
CAS:7440-03-1  
Fraction by Wt: 4%  
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:ACUTE EXPOSURE TO WELDING FUMES MAY  
PRODUCE METAL FUME FEVER. CHRONIC EFFECTS MAY BE SKIN  
SENSITIZATION, RESPIRATORY DISEASE.  
Explanation of Carcinogenicity:CHROMIUM AND NICKEL AND THEIR COMPOUND  
S  
ARE LISTED AS CARCINOGENS BY NTP & IARC. SEE INDIVIDUAL REPORTS FOR  
DETAILS.  
Effects of Overexposure:INHALATION (METAL FUME FEVER): METALLIC TASTE,  
NAUSEA, TIGHTNESS IN CHEST, FEVER, COLD-LIKE SYMPTOMS. SKIN:  
ALLERGIC REACTION AFTER SENSITIZATION.  
Medical Cond Aggravated by Exposure:PRE-EXISTING RESPIRATORY OR  
ALLERGIC CONDITIONS

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

First Aid:REMOVE FROM EXPOSURE AND OBTAIN MEDICAL ATTENTION. IF VICTIM

IS UNCONSCIOUS, ADMINISTER OXYGEN. IF NOT BREATHING, RESUSCITATE IMMEDIATELY.

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

Flash Point:NON-FLAMMABLE

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:NO INFORMATION GIVEN ON MSDS BY MFR. PRODUCT IS NON FLAMMABLE. EXTINGUISH WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.

Fire Fighting Procedures:NO INFORMATION GIVEN ON MSDS BY MFR. FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT

WHEN FIGHTING CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:NO INFORMATION GIVEN ON MSDS BY MFR.

HMIS:NONE

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

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

Neutralizing Agent:NONE

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

Handling and Storage Precautions:NO INFORMATION GIVEN ON MSDS BY MFR.

Other Precautions:REFER TO ANSI Z49.1 FR

OM THE AMERICAN WELDING SOCIETY

AND OSHA 29CFR1910 FROM U.S. DEPT. LABOR FOR ADDITIONAL INFORMATION ON INDUSTRIAL HYGIENE AND SAFETY.

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

Respiratory Protection:NECESSARY WHEN PEL MAY BE EXCEEDED. USE AIR-SUPPLIED RESPIRATOR IN CONFINED SPACES. USE ONLY NIOSH APPROVED RESPIRATOR I/A/W 29CFR1910.134.

Ventilation:USE LOCAL EXHAUST WHEN CUTTING, GRINDING OR WELDING. CONFINED SPACES REQUIRE SPECIAL ATTENTION.

Prote

ctive Gloves:WELDER'S GLOVES

Eye Protection:SEE AWS PUBLICATION F2.2

Other Protective Equipment:WEAR GLOVES, FACE PROTECTION AND FLAME RETARDANT CLOTHING. DO NOT EXPOSE SKIN.

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

Supplemental Safety and Health

MSDS RECEIVED FROM NAVY (FOCAL POINT N). NAVY IDENTIFIED NSN.

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

HCC:N

NRC/State Lic Num:NONE

pH:UNKNON

Appearance and Odor:FILLER METALS ARE SOLID ALLOY WIRE

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

Stability Indicator/Materials to Avoid:YES

NO INFORMATION GIVEN ON MSDS BY MFR.

Stability Condition to Avoid:NO INFORMATION GIVEN ON MSDS BY MFR.

Hazardous Decomposition Products:WELDING FUMES & GASES CANNOT BE EASILY CLASSIFIED AND INCLUDE: METAL OXIDES, CO, OZONE, NITROGEN OXIDES, COMPOLEX METALS

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Waste Disposal Methods:DISPOSE I/A/W EPA OR LOCAL 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.