View NSN Online: https://aerobasegroup.com/nsn/3439-01-140-9057

Product ID: INCONEL FILLER METAL 718 MSDS Date:01/01/1992 FSC:3439 NIIN:01-140-9057 **MSDS Number: BPMKN** === Responsible Party === Company Name: INCO ALLOYS INTERNATIONAL INC Address:1401 BURRIS RD **City:NEWTON** State:NC ZIP:28658 Country:US Info Phone Num:800-624-3411 **Emergency Phone Num:30** 4-526-5780 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

Ingred Name:CHROMIUM (SARA III) CAS:7440-47-3 RTECS #:GB4200000 Fraction by Wt: 16% OSHA PEL:1 MG/M3 ACGIH TLV:0.5 MG/M3 EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name:IRON CAS:7439-89-6 RTECS #:NO4565500 Fraction by Wt: 7% O SHA PEL:10 MG/M3 TDUST ACGIH TLV:5 MG/M3 FUME

Ingred Name:MANGANESE (SARA III) CAS:7439-96-5 RTECS #:OO9275000 Fraction by Wt: 2% OSHA PEL:(C) 5 MG/M3 DUST ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:NICKEL (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 OXIDE;(TITANIUM) CAS:13463-67-7 RTECS #:XR2275000 Fraction by Wt: 3% OSHA PEL:15 MG/M3 TDUST ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:SUPP DATA:WHEN METAL IS HEATED TO HI GH TEMP, FUMES PRODUCED MAY BE DAMAGING TO LUNGS IF INHALED. FUMES FROM (ING 2) RTECS #:9999999ZZ

Ingred Name:ING 6:CHROMIUM-CNTNG STAINLESS STEEL OR CERTAIN CHROMIUM-CNTNG RODS CAN TRIGGER ECZEMATOUS ERUPTIONS ON PALMS (ING 8) RTECS #:99999992Z

Ingred Name:ING 7:OF HANDS OF CHROMIUM SENSITIZED INDIV.IRON:INHAL OF EXCESS FUMES/DUSTS CAN LEAD TO IRRIT OF RESP TRACT. (ING 9) RTECS #:9999999ZZ

Ingred Name: ING 8: PRLNGD INHAL OF IRON OXIDE FOR PERIODS OF 6-10 YEARS IS KNOWN TO

CAUSE SIDEROSIS WHICH APPEARS TO BE A (ING 10) RTECS #:99999992Z

Ingred Name:ING 9:BENIGN PNEUMOCONIOSIS. PRLNGD EYE CNTCT W/METAL DUST COULD CAUSE RUST BROWN COLORED SPOTS FORMING AROUND (ING 11) RTECS #:9999999ZZ

Ingred Name:ING 10:PARTICLES & IF LEFT FOR SEV YEARS; PERM DMG COULD RSLT. MANGANESE:EXCESS INHAL/INGEST OF MANGANESE CAN (ING 12) RTECS #:9999999ZZ

Ingred Name:ING 11:PRODUCE MANGANESE POISONING.CHRONIC EXPOS CAN LEAD TO NEUR PROBLEMS SUCH AS APATHY/DROWS/WEAKNESS, (IN G 13)

RTECS #:9999999ZZ

Ingred Name:ING 12:SPASTIC GAIT, PARALYSIS, & OTHER NEUROLOGICAL PROBLEMS RESEMBLING PARKINSONISM. THESE SYMPS CAN BE BECOME(ING 14) RTECS #:9999999ZZ

Ingred Name:ING 13:PROGRESSIVE/PERM IF NOT TREATED. EXCESS INHAL OF FUMES MAY CAUSE "METAL FUME FEVER" W/ITS FLU-LIKE SYMPS,(ING 15) RTECS #:99999992Z

Ingred Name:ING 14:SUCH AS CHILLS, FEVER, BODY ACHES, VOMIT, SWEATING, ETC. NICKEL:INHAL OF NICKEL POWDER HAS NOT RSLTD IN (ING 16) RTECS #:9999992Z

Ingred N

ame:ING 16:INCR INCIDENCE OF MALIGNANT TUMORS IN RODENTS. RPTD INTRATRACHEAL INSTILLATION OF NICKEL POWDER PRODUCED (ING 18) RTECS #:9999999ZZ

Ingred Name:ING 17:AN INCR INCIDENCE OF MALIGNANT LUNG TUMORS IN RATS, BUT DID NOT PRODUCE INCR IDNIDENCE IN HAMPSTERS WHEN (ING 19) RTECS #:9999999ZZ

Ingred Name:ING 18:GIVEN AT MAX TOLERATED DOSE. HOWEVER, SINGLE INTRATRACHEAL INSTILLATIONS OF NICKEL POWDER IN HAMSTERS (ING 20) RTECS #:9999999ZZ

Ingred Name: ING 19: AT DOSES NEAR LD50 HAVE

PRODUCED INCR INCIDENCE OF FIBROSARCOMAS, MESOTHELIOMAS & RHABDOMYOSARCOMAS. (ING 21) RTECS #:99999992Z

Ingred Name:ING 20:INHAL OF NICKEL POWDER AT CONC 15 TIMES PEL IRRITATED THE RESP TRACT IN RODENTS. KNOWN SENSITIZER & MAY (ING 22) RTECS #:99999992Z

Ingred Name:ING 21:CAUSE ALLERGIC RXNS. TITANIUM:INHAL COULD CAUSE MILD IRRIT TO RESP TRACT. INHAL OF TITANIUM DUST/FUME (ING 23) RTECS #:9999999ZZ

Ingred Name:ING 22:COULD PRODUCE LUNG FIBROSIS & CHRONIC BRONCHITIS. RTECS #:9 999999ZZ

Ingred Name:FIRST AID PROC:NOTED FROM ISOLATED INSTANCES OF EXCESS EXPOS. INGEST:IF SYMPTOMS ARISE, GET MD. RTECS #:9999999ZZ

Ingred Name:VENT:TO PROVISION OF ADEQUATE VENTILATION AND/OR AIR SUPPLIED RESPIRATORS. RTECS #:9999999ZZ

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 A cute and Chronic:AS SHIPPED, THESE ELECTRODES HAVE NO KNOWN (UNLESS INGESTED) TOX PROPERTIES OTHER THAN CAUSING ALLERG RXNS IN INDIV SENSITIVE TO METAL(S) CNTND IN THESE WELDING PRODS. HAZS OF INGEST, IF ANY, ARE NOTE D UNDER SPECIFIC INGRED HAZS. USER GENERATED DUSTS/FUMES MAY ON CNTCT W/SKIN/EYE PRODUCE MECH IRRIT.(EFTS OF OVEREXP) Explanation of Carcinogenicity:NICKEL:ANTICIPATED TO BE CARCINOGEN (NPT), GROUP 2B (IARC).

Effects of Overexposure:HLTH HAZ: CHRONIC EXPOS C

OULD CAUSE DERM (SKIN OR CONJUNCT (EYES). EXCESS INHAL OF USER GENERATED FUMES FROM WELDING W/PRODS MAY, DEPENDING ON SPECIFIC FEATURES OF PROCESS USED, POSE LONG TERM HLTH HA Z. INGREDS OF FUMES/GASES GENERATED IN USER WELDING OPERS WILL DEPEND ON FILLER METAL ALLOY, BASE METAL, FLUX (SUPDAT)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid:EYE:FLUSH W/CLEAN WATER FOR AT LEAST

15 MINS. IF IRRIT

PERSISTS, GET MD. SKIN:WASH W/SOAP & WATER. IF RASH DEVELOPS, GET MD. INHAL:MOVE FROM EXPOS. IF SEVERE RESP IRRIT PERSISTS, GET MD. EXCESS INHAL OF SOME METAL FUMES CAN PRODUCE ACUTE RXN SUCH AS "METAL FUME FEVER" W/SYMPS OF CHILLS/FEVER SIMILAR TO FLU SYMPS. SYMPS APPEAR W/IN FEW HOURS OF EXPOS; BUT LONG TERM EFTS HAVE NOT BEEN (ING 24)

Extinguishing Media:USE MEDIA SUITABLE FOR SU RROUNDING FIRE .

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:NONFLAMMABLE; HOWEVER SPARKS FROM WELDING IN USER OPERATIONS COULD IGNITE FLAMMABLE OR COMBUSTIBLE LIQUIDS, VAPORS AND SOLIDS.

Spill Release Procedures: VACUUM OR SHOVEL ANY SPILLED MATL INTO SUITABLE CNTNR. ALLOY WASTES ARE NORMALLY COLLECTED TO RECOVER METAL VALUES.

Neutralizi

ng Agent:NONE SPECIFIED BY MANUFACTURER.

Handling and Storage Precautions: ALWAYS USE EXHAUST VENTILATION IN USER WELDING OPERATIONS.

Other Precautions:DO NOT EXPOSE SKIN OR EYES TO HEAT AND RADIATION FROM WELDING OPERATIONS.

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

Respiratory Protection: RESP PROT NOT NEC WHEN EXPOS LIMITS OR AIRBORNE CONTAMINANTS EXCEEDED DURING WELDING W/THESE ELECTRO

<ul> <li>DES. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IN CONFINED SPACES. USE ONLY NIOSH/MSHA APPRVD RESPS I/A/W 29CFR1910.134.</li> <li>Ventilation:LOC EXHST WHEN WELDING. MAINTAIN EXPOS BELOW ACCEPTABLE EXPOS LIMITS. CONFINED SPACES REQ SPECIAL ATTENTION (ING 25)</li> <li>Protective Gloves:IMPERVIOUS GLOVES .</li> <li>Eye Protection:WELDERS HELMET W/FILTER LENS .</li> <li>Other Protective Equipment:FLAME RETARDANT CLOTHING.</li> <li>Work Hygienic Practices:USE INDUSTRIAL HYGIENE AIR MONITORING TO ENSURE THAT YOUR USE OF M</li> <li>ATERIAL DOES NOT CREATE EXPOS WHICH EXCEED REC LIMITS.</li> <li>Supplemental Safety and Health</li> </ul>
MELTING PT:>2552F,>1400C. EFTS OF OVEREXP:& SPECIFIC PROCESS BEING USED. INGREDS MAY INCL METALS, METAL OXIDES/CHROMATES/FLUORIDES/CO/OZONE/NO*X. PHOSGENE CAN BE PRODUCED IF CHLORINATED SOLV VAPS PRES ENT IN USER OPERS. CHROMIUM:NON-TOX. CHROMIUM METAL/INSOLUBLE SALTS ARE SAID TO BE INVOLVED IN FIBROSIS OF LUNGS.(ING 6)
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Melt/Freeze Pt:M.P/F.P Text:>2552F,>140
Spec Gravity:8.9 Appearance and Odor:ODORI ESS METALLIC SILVER COLORED WIRE
Appearance and Odor: ODORLESS METALLIC SILVER COLORED WIRE
Appearance and Odor:ODORLESS METALLIC SILVER COLORED WIRE ====================================

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