## View NSN Online: https://aerobasegroup.es/nsn/3439-00-273-8825

## INCO ALLOYS INTERNATIONAL INC -- INCONEL -- 3439-00-273-8825

Product ID: INCONEL MSDS Date:11/01/1989 FSC:3439 NIIN:00-273-8825 MSDS Number: BNMRF === Responsible Party === Company Name: INCO ALLOYS INTERNATIONAL INC Address:1401 BURRIS RD City:NEWTON State:NC ZIP:28658-1754 Country:US Info Phone Num:704-465-0352 Emergency Phone Num:304-526-5780 CAGE:9Z762 === Cont ractor 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% Other REC Limits:NONE SPECIFIED OSHA PEL:0.5 MG/M3 (AS CR) ACGIH TLV:0.5 MG/M3; 9192 EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name:IRON CAS:7439-89-6 RTECS #:NO4565500 Fr action by Wt: 7% Other REC Limits:NONE SPECIFIED OSHA PEL:5 MG/M3 ACGIH TLV:10 MG/M3 AS FE2O3

Ingred Name:MANGANESE (SARA III) CAS:7439-96-5 RTECS #:OO9275000 Fraction by Wt: 2% Other REC Limits:NONE SPECIFIED 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% Other REC Limits:NONE SPECIFIED OSHA PEL:1 MG/M3 ACGIH TLV:1 MG/M3; 9192

Ingred Name:TITANIUM, METAL CAS:7440-32-6 RTECS #:XR1700000 Fraction by Wt: 3% Other REC Limits:NONE SPECIFIED

LD50 LC50 Mixture:UNCLASSIFIED WELDING FUMES=5MG/M3 PEL Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO Health Hazards Acute and Chronic:AS SHIPPED, THESE ELECTRODES HAVE NO KNOWN (UNLESS INGESTED) TOXICOLOGICAL PROPERTIES OTHER THAN CAUSING ALLERGIC REACTIONS IN INDIVIDUALS SENSITIVE TO THE METALS CONTAINED IN THI

S PRODUCT. USER GENER ATED DUST MAY CAUSE SKIN OR EYE PRODUCED MECHANICAL IRRITATION. EXCESSIVE INHALATION MAY POSE LONG TERM HEALTH HAZARD.

Explanation of Carcinogenicity:NICKEL, AND CHROMIUM HAVE BEEN IDENTIFIED BY IARC AND/OR NTP AS POTENTIAL CANCER CAUSING AGENTS.

Effects of Overexposure:EXPOSURE TO WELDING FUMES MAY CAUSE METAL FUME FEVER WITH SYMPTOMS OF CHILLS, FEVER, NAUSEA, COUGH, DRY THROAT, WEAKNESS, MUSCLE ACHES, AND A SWEET OR METALLIC TASTE IN THE MOUTH. PRO

LONGED OR REPEATE D EXPOSURE MAY CAUSE DIFFICULTY IN WALKING, WEAKNESS OR CRAMPS IN THE LEGS, HOARSENESS, MEMORY LOSS, SKIN SENSITIZATION.
Medical Cond Aggravated by Exposure:PRE-EXISTING CHRONIC SKIN, EYE OR RESPIRATORY DISORDERS MAY BE AGGRAVATED IF INDIVIDUALS ARE REPEATEDLY OVEREXPOSED TO FUMES AND DUST.
======================================
First Aid:INHALATION: REMOVE TO FRESH AIR. CONSULT A PHYSICIAN. EYE: FLUSH IMMEDIATELY WITH LARGE A MOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER. INGESTION: WHILE INGESTI ON OF LARGE ENOUGH QUANTITIES TO CAUSE HEALTH EFFECTS IS UNLIKELY, CONSULT A PHYSICIAN IF IT OCCURS.
======================================
Flash Point:NONFLAMMABLE Extinguishing Media:NONFLAMMABLE Fire Fighting Procedures:NONE STATED BY THE MANUFACTURER Unusual Fire/Explosion Hazard:SPARKS FROM WELDING IN USER OPERATIONS COULD IGNITE FLA MMABLE OR COMBUSTIBLE LIQUIDS, VAPORS AND SOLID.
======================================
Spill Release Procedures: VACUUM OR SHOVEL ANY SPILLED MATERIAL INTO A SUITABLE CONTAINER. ALLOY WASTES ARE NORMALLY COLLECTED TO RECOVER METAL VALUES.
======================================
Handling and Storage Precautions:WEAR GLOVES AND FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHE N HOT CUTTING OR WELDING.
Other Precautions: PROVIDE PROTECTIVE SCREENS TO SHIELD OTHERS. WHEN ELECTRODES AND FLUXES ARE CONSUMED, THE FUME AND GAS DECOMPOSITION PRODUCTS GENERATED ARE DIFFERENT IN FORM FROM THE INGREDIENTS LISTED. NEW COMPOUNDS NOT IN THE ELECTRODES MAY FORM.
======================================
Respiratory Protection: RESPIRATORY PROTECTION IS NECESSARY WHEN

EXPOSURE LIMITS FOR AIRBORNE CONTAMINANTS ARE EXCEEDED DURING WELDIN G. USE ONLY NIOSH APPROVED RESPIRATORS. USE AIR-SUPPLIED RESPIRATOR IN CONFINED SPACES. Ventilation:USE LOCAL AND GENERAL VENTILATION TO KEEP AIRBORNE

CONCENTRATIONS OF DUST OR FUMES BELOW THE TLV DURING USE.

Protective Gloves:WELDERS LEATHER GLOVES

Eye Protection: SELECT WELDING LENS SHADE

Other Protective Equipment:BARRIER CREAMS MAY BE NECESSARY TO PREVENT SKIN SENSITIZATION AND DERMATITIS. USE FLAME RETARDENT CLOTHING. Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING OR SMOKI NG.

LAUNDER CONTAMINATIED CLOTHING BEFORE REUSE. Supplemental Safety and Health

WELDING AND HOT CUTTING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. THEIR COMPOSITION AND QUANTITY ARE DEPENDENT ON THE METAL BEING WELDED, THE PROCEDURES, PROCESSES AND THE TYPE OF WIRE OR ELECTRODES USED. USE INDUSTRIAL HYGIENE AIR MONITORING TO INSURE THAT USE DOES NOT CREATE EXPOSURES IN EXCESS OF RECOMMENDED LIMITS

HCC:N1

M elt/Freeze Pt:M.P/F.P Text:>2552F,>140 Spec Gravity:8-9 GM/CC Solubility in Water:NEGLIGIBLE Appearance and Odor:ODORLESS, METALLIC SILVER COLORED WIRE, SOLID, 36 INCHES IN LENGTH

Stability Indicator/Materials to Avoid:YES NONE STATED BY THE MANUFACTURER Stability Condition to Avoid:SPARKS FROM WELDING IN USER OPERATIONS COULD IGNITE FLAMMABLE OR COMBUSTIBLE MATERIALS. Hazardous Decomposition Products:WELDING AND CUTTI NG OPERATION MAY INCLUDE OXIDES OF THE METALS

Waste Disposal Methods:CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER. IF DISPOSAL IS NECESSARY, DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND 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, expr essly 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.