View NSN Online: https://aerobasegroup.com/nsn/3439-00-178-8575

Product ID:BARE WIRE 347-15 OR 347-16 MSDS Date:08/01/1990 FSC:3439 NIIN:00-178-8575 MSDS Number: BDFVZ === Responsible Party === Company Name:NATIONAL WELDING ALLOYS, INC. Address:1600 SOUTH CANAL STREET City:PITTSBURGH State:PA ZIP:15215 Country:US Info Phone Num:412-781-4255 Emerg ency Phone Num:412-781-4255, CHEMTREC 800-424-9300 CAGE:0ACE2 === Contractor Identification === Company Name:NATIONAL TORCH TIP CO INC. Address:50 FREEPORT RD City:PITTSBURGH State:PA ZIP:15215-2906 Country:US Phone:412-781-4200 CAGE:93009 Company Name:NATIONAL WELDING ALLOYS INC Address:1600 SOUTH CANAL STREET Box:City:PITTSBURGH State:PA ZIP:15215-2624 Country:US Phone:412-781-4255 CAGE:0ACE2

Ingred Name:SILICA, CRYSTALLINE

- FUSED CAS:60676-86-0 RTECS #:VV7328000 Fraction by Wt: 0.90% Other REC Limits:0.08 MG/M3 R OSHA PEL:SEE TABLE Z3 ACGIH TLV:0.1 MG/M3 RDUST;9293

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

Ingred Name:COPPER (SARA III) CAS:7440-50-8 RTECS #:GL5325000 Fraction by Wt: 0.75% Other REC Limits:NONE SPECIFIED OSHA PEL:0.1MG/M3 FUME/1 DUST ACGIH TLV:0.2MG/M3 FUME; 9192 EPA Rpt Qt y:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name:MANGANESE (SARA III) CAS:7439-96-5 RTECS #:OO9275000 Fraction by Wt: 0.5-2.5% Other REC Limits:1 MG/M3 FUMES OSHA PEL:(C) 5 MG/M3 DUST ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:CARBON BLACK CAS:1333-86-4 RTECS #:FF5800000 Fraction by Wt: 0.08% Other REC Limits:NONE SPECIFIED OSHA PEL:3.5 MG/M3 ACGIH TLV:3.5 MG/M3; 9192

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports

of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

- Health Hazards Acute and Chronic:WELDING GENERATES FUMES, GASES AND ELECTROMATIC RADIATION WITH KNOWN ADVERSE HEALTH EFFECTS. THE COMPOSITION OF WELDING EMISSIONS VARIES SUBSTANTIALLY WITH THE WELDING PROCESS.
- Explanation of Carcinogenicity:CHROMIUM AND NICKEL AND THEIR COMPOUNDS ARE LISTED AS CARCINOGENS BY NTP & IARC. SEE INDIVIDUAL REPORTS FOR DETAILS.
- Effects of Overexposure:EXPOSURE TO WELDING FUMES MAY RESULT IN DISCO
- MFORT SUCH AS DIZZINESS, NAUSEA, FEVER, DRYNESS AND/OR IRRITATION OF NOSE, THROAT AND EYES. SKIN SENSITIVITY MAY ALSO BE NOTED. WATERY EYES, HEADACHE, BREA THING DIFFICULTY, FREQUENT COUGHING AND/OR CHEST PAINS MAY OCCUR FROM ACUTE EXPOSURE. TOXIC GASES CAN BE FATAL.
- Medical Cond Aggravated by Exposure:INDIVIDUALS WITH IMPAIRED PULMONARY FUNCTION OR ILLNESS MAY HAVE SYMPTOMS EXACERBATED BY IRRITANTS CONTAINED IN WELDING FUMES.

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

First Aid:REMOVE FROM DUST OR FUME EXPOSURE. IF BREATHING HAS STOPPED PERFORM ARTIFICIAL RESPIRATION. SUMMON MEDICAL IMMEDIATELY.

Flash Point:NONE
Lower Limits:NONE
Upper Limits:NONE
Extinguishing Media:NONCOMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE TO THE SURROUNDING FIRE.
Fire Fighting Procedures:IF THIS MAATERIAL IS EDUCED TO POWDER FORM, CAUTION MUST BE USED TO REVENT FIRE OR E
XPLOSION. TO EXTINGUISH A METAL POWDER FIRE USE DRY SAND OR OTHER CLASS D.
Unusual Fire/Explosion Hazard:NO UNUSUAL FIRE OR EXPLOSION HAZARDS ARE ASSOCIATED WITH THIS MATERIAL.

Spill Release Procedures: SUPPLIER DID NOT ADDRESS THIS FIELD.

Handling and Storage Precautions: READ AND UNDERSTAND THE MANUFACTURER'S INSTRUCTIONS AND THE PRECAUTIONARY LA

BEL ON THE PRODUCT. SEE ANSI STANDARD Z49.1 AND 29CFR1910 FOR MORE INFO. Other Precautions: USE EXHAUST SYSTEM TO CLEAR WELDING FUMES. MAKE SURE THAT INHALED AIR DOES NOT CONTAIN FUME CONSTITUENTS ABOVE PERMISSABLE LEVELS. Respiratory Protection: USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING, BRAZING OR SOLDERING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EX **POSURE BELOW** PEL, TLV, OR STEL. Ventilation: USE ENOUGH VENTILATION OR LOCAL EXHAUST TO KEEPS FUMES AND GASES FROM THE WORKERS BREATHING ZONE AND GENERAL AREA. Protective Gloves: FLAMEPROOF GAUNTLET GLOVES Eye Protection: HELMET OR FACE SHIELD WITH ANSI FILTERS Other Protective Equipment: WEAR HEAD AND BODY PROTECTION WHICH HELP PREVENT INJURY FROM RADIATION, SPARKS, FLAME AND ELECTRRICAL SHOCK. Work Hygienic Practices: WASH THOROUGHLY BEFORE EATING OR SMOKING. LAUNDER CONTAMINATIED C LOTHING BEFORE REUSE. Supplemental Safety and Health TRAIN EMPLOYEE NOT TO TOUCH LIVE ELECTRICAL PARTS AND TO INSULATE HIMSELF FROM WORK AND GROUND. WELDERS SHOULCD NOT WEAR SHORT SLEEVES, SHORT PANTS, OR CUTOFFS. TRAIN EMPLOYEE TO KEEP HIS HEAD OUT OF THE FUMES. HCC:N1 Appearance and Odor:SOLID ROD, COATED WITH FLUX. Stability Indicator/Materi als to Avoid:YES AVOID CONTACT WITH ACIDS AND STRONG OXIDIZING AGENTS, WHICH MAY GENERATE EXPLOSIVE HYDROGEN GAS. Stability Condition to Avoid:NONE Hazardous Decomposition Products:WELDING/CUTTING OPERATIONS MAY INCLUDE ELEMENTAL METALS, OXIDES OF THE METALS, FUMES/GASES & ELECTROMAGNETIC RADIATION. Conditions to Avoid Polymerization: WILL NOT OCCUR.

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATIMG SURROUNDIN

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ENVIRONMENT. DISCARD BANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER IN FULL COMPLIANCE WITH FEDERAL, STATE, A ND LOCAL REGULATIONS.

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