View NSN Online: https://aerobasegroup.gr/nsn/3439-00-238-5667

Product ID:8N12 MISCELLANEOUS ARCALOY HIGH ALLOY COVERED ELECTRODES MSDS Date:02/15/1988 FSC:3439 NIIN:00-238-5667 MSDS Number: BZPFS === Responsible Party === Company Name: ALLOY RODS CORPORATION Address:WILSON AVENUE Box:517 **City:HANOVER** State:PA ZIP:17331 Coun try:US Info Phone Num:717-637-8911 Emergency Phone Num:717-637-8911 CAGE:84021 === Contractor Identification === Company Name: ESAB GROUP INC Address:801 WILSON AVENUE Box:517 City:HANOVER State:PA ZIP:17331 Country:US Phone:717-637-8911 OR 800-933-7070 CAGE:84021

Ingred Name:TITANIUM CAS:7440-32-6 RTECS #:XR1700000 Other REC Limits:NONE RECOMMENDED

Ingred Name:NIOBIUM (ALSO CALLED COLUMBIUM) CAS:7440-03-1 Other REC Limits:NO

## NE RECOMMENDED

Ingred Name:FELDSPAR; (POTASSIUM FELDSPAR) CAS:68476-25-5 Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM METASILICATE CAS:6834-92-0 RTECS #:VV9275000 Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM TITANATE CAS:12030-97-6 Other REC Limits:NONE RECOMMENDED

Ingred Name:IRON CAS:7439-89-6 RTECS #:NO4565500 Other REC Limits:NONE RECOMMENDED

Ingred Name:CALCIUM CARBONATE (MARBLE) (LIMESTONE) CAS:1317-65-3 RTECS #:EV9580000 Other REC Limits:NONE RECOMMENDED OSHA PEL:1 5 MG/M3 TDUST ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:CRYOLITE (SODIUM ALUMINUM FLUORIDE) CAS:15096-52-3 RTECS #:WA9625000 Other REC Limits:NONE RECOMMENDED

Ingred Name:TITANIUM DIOXIDE CAS:13463-67-7 RTECS #:XR2275000 Other REC Limits:NONE RECOMMENDED OSHA PEL:15 MG/M3 TDUST ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:SODIUM TITANATE CAS:12034-34-3 Other REC Limits:NONE RECOMMENDED

LD50 LC50 Mixture:WELDING FUME 5MG/M3

(ACGIH). Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES Health Hazards Acute and Chronic: FUMES/GASES CAN BE DANGEROUS TO HEALTH.ARC RAYS CAN INJURE EYES/BURN SKIN.ELECTRIC SHOCK CAN KILL.ACUTE OVEREXPO TO WELDING FUMES:DISCOMFORT,DIZZ,NAU,DRYNESS,IRRIT OF NOSE/THROAT/EYES.CHRONIC OVEREXPO MAY LEAD TO SIDEROSIS(IRON DEPOSITS INLUNT), BELIEVED BY SOME INVETIGATORS TO AFFECT PULM FUNCTION. Explanation of Carcinoge nicity:PER MSDS:CARCINOGENICITY:NTP-NI,CR. IARC-NI, CR. OSHA-CR. (IF INGREDS CONTAIN THESE MATLS). Effects of Overexposure: INJURY TO EYES, BURN TO SKIN. DEATH FROM ELECTRIC SHOCK. DISCOMFORT, DIZZINESS, NAUSEA, DRYNESS, IRRITATION OF NOSE/THROAT/EYES. SIDEROSIS. Medical Cond Aggravated by Exposure: AGGRAVATION OF PRE-EXISTING RESPIRATORY OR ALLERGIC CONDITIONS MAY OCCUR IN SOME WORKERS. First Aid:CALL FOR MEDICA L AID. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS. Flash Point:NP Autoignition Temp:Autoignition Temp Text:NP Lower Limits:NP Upper Limits:NP Extinguishing Media:NON-FLAMMABLE. Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER. Unusual Fire/Explosion Hazard:WELDING ARC & SPARKS CAN IGNITE COMBUSTIBLES. SEE Z-49.1 Handlin g and Storage Precautions: MONITOR FUMES OF CR VI/NI/CU WHEN PRESENT IN INGRED.READ/UNDERSTAND MFG INSTRUCTIONS/PRECAUT LABEL ON PROD.REF:Z-49.1/OSHA 29CFR1910. Other Precautions: ONE RECOMMENDED WAY TO DETERMINE COMP/QUANT OF FUMES/GASES WORKERS EXPO:TAKE AIR SMPL INSIDE WELDER'S

HELMET/BREATH ZONE.SEE ANSI/AWS F1.1 FROM AMER WELDER'S SOC,POB351040,MIA,FL33135.TRAIN WELDER NOT TOU CH LIVE ELECT PARTS/INSULATE FRM WORK/GR

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

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Respiratory Protection: USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL EXHASUT OR VNETILATION DOES NOT KEEP EXPOSURE BELOW TLV. Ventilation: USE ENOUGH VENT/LOC EXHA @ARC/BOTH TO KEEP FUME/GAS BEL TLV IN WORKER BREATH ZONE/GEN AREA.TRAIN WELD KEEP HEAD OUT FUME Protective Gloves:WELDERS GLOVES Eye Protection: FCSHIELD W/FILT LEN, FLASH/SCREEN GOGG. Other Protective Equipment: WEAR HELMET/HEAD/HAND/BODY PROT FRM RAD IATION/SPARKS/ELECT SHOCK.ARM/SHOULD PROT, APRONS, HATS, DARK SUBSTANTIAL CLOTH. Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER. Supplemental Safety and Health DECOMPO: USED, COAT ON METAL, #OF WELDERS/VOL IN WORKAREA, QUAL/AMT OF VENTI, POSITION FO WLEDER HEAD W/RESPECT TO FUME PLUME, PRESENCE OF CONTAMIN IN ATM.ELECTRODE CONSUMED FUNE/GAS DECOMPO PROD DIFFERENT IN %/FORM FROM INGREDS.REASONABLY EXPECT:FLUORIDES,COMPLEX OXIDES OF METALS IN PRODUCT, CO/CO2, OZONE, NITROGEN OXIDE S. 

HCC:N1 Boiling Pt:B.P. Text:NP Melt/Freeze Pt:M.P/F.P Text:NP Decomp Temp:Decomp Text:NP Vapor Pres:NP Vapor Density:NP Spec Gravity:NP pH:NP Viscosity:NP Evaporation Rate & amp; Reference:NP Solubility in Water:NP Appearance and Odor:NP Percent Volatiles by Volume:NP Corrosion Rate:NP

NONE SPECIFIED BY MANUFACTURER. Stability Condition to Avoid:NONE SPEC

## IFIED BY MANUFACTURER. Hazardous Decomposition Products:WELDING FUMES CAN'T BE CLASSIFIED SIMPLY.COPO/QUANT DEPENDENT UPON METAL BEING WELDED/PROCESS/PROCEDURES/ELECTRODES(SUP)

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRO.DISCARD ANY PRODUCT RESIDUE/DISPOSABLE CNTNR/LINER IN ENVIRO ACCEPTABLE MANNER IN FULL COMPLIANCE W/FED/STATE/LOC REGULATIONS.

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