View NSN Online: https://aerobasegroup.kr/nsn/3439-01-012-6661

Product ID:5356 ALUMINUM MSDS Date:11/10/1986

FSC:3439

NIIN:01-012-6661

MSDS Number: BGWFM === 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

Emergency Phone Num:412-781-4255

CAGE:0ACE2

=== Contractor Identification ===

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

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

Ingred Name: ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0330000 Fraction by Wt: 93-94% Other REC Limits:NONE

OSHA PEL:15MG/M3 DUST/5 FUME ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name: MAGNESIUM

CAS:7439-95-4

RTECS #:OM2100000

Ot

her REC Limits:NONE

Ingred Name:IRON CAS:7439-89-6

RTECS #:NO4565500 Fraction by Wt: 0.4% Other REC Limits:NONE

OSHA PEL:10MG/M*3(FE*2O*3) ACGIH TLV:15MG/M*3(FE*20*3)

Ingred Name: SILICON

CAS:7440-21-3

RTECS #:VW0400000 Fraction by Wt: 0.25% Other REC Limits:NONE OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:TITANIUM

CAS:7440-32-6

RTECS #:XR1700000 Fraction by Wt: .06-20% Other REC Limits:NONE OSHA PEL:10MG/M*3(TIO*2) ACGIH TLV:10MG/M*3(TIO*2)

Ingred Name: CHROMIUM (SARA

III)

CAS:7440-47-3

RTECS #:GB4200000 Fraction by Wt: .05-.20% Other REC Limits:NONE OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9192

EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name: MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000 Other REC Limits:NONE OSHA PEL:(C) 5 MG/M3 DUST

ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name: COPPER (SARA III)

CAS:7440-50-8

RTECS #:GL5325000 Fraction by Wt: 0.1% Other REC Limits:NONE

OSHA PEL:0.1MG/M3 FUME/1 DUST ACGIH TLV:0.2MG/M3 FUME; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt

Qty:5000 LBS

Ingred Name:ZINC (SARA III)

CAS:7440-66-6

RTECS #:ZG8600000 Fraction by Wt: 0.1% Other REC Limits:NONE OSHA PEL:10 MG ZNO/M3

ACGIH TLV:10 MG ZNO/M3; 9192

EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name: OTHER TOTAL

Fraction by Wt: 0.15% Other REC Limits:NONE

============= 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:ACUT E:METALLIC TASTE,NAUSEA,TIGHTNESS

OF CHEST, FEVER, DIZZINESS, DRYNESS, IRRITATION OF EYES, NOSE, THROAT.

CHRONIC:EXCESSIVE LEVELS MAY CAUSE BRONCHIAL ASTHMA,LUNG

FIBROSIS, PNEUMOCONIOSIS.

Explanation of Carcinogenicity: CHROMIUM IS LISTED UNDER NTP AND IARC. Effects of Overexposure: METALLIC TASTE, NAUSEA, TIGHTNESS OF CHEST,

FEVER, DIZZINESS, DRYNESS, IRRITATION OF EYES, NOSE AND THROAT.

Medical Cond Aggravated by Exposure:AGGRAVATION OF EXISTING RESPIRATORY OR ALLERGIC CONDITIONS.HI

GHER LEVEL OF LUNG RELATED PROBLEMS AMONG SMOKERS.

First Aid:REMOVE FROM EXPOSURE AND OBTAIN PROMPT MEDICAL ATTENTION. IF NOT BREATHING, GIVE CPR.IF UNCONSCIOUS, GIVE OXYGEN. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY AMERICAN RED CROSS.

Flash Point:NONE

Extinguishing Media: USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:FIRE

FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE. Unusual Fire/Explosion Hazard:WELDING ARCS AND SPARKS CAN IGNITE COMBUTIBLE PRODUCTS.
======== Accidental Release Measures =========
Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUE AND PLACE IN APPROPRIATE DOT APPROVED DISPOSAL CONTAINER.
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Other Precautions:TRAIN WELDER TO KEEP HIS OUT OF THE FUMES. MONITOR AIR TO ENSURE ACCEPTABLE EXPOSURES. AVOID ELECTRICAL SHOCK BY MAINTAINING DRY WORK AREA.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR IN CONFINED SPACES OR WHERE VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.
Ventilation:LOCAL EXHAUST TO MAINTAIN BELOW TLV. Protective Gloves:WELDER'S GLOVES. Eye Pr
otection:HELMET OR FACE SHIELD WITH FILTER LENS. Other Protective Equipment:SUBSTANTIAL DARK CLOTH,ARM PROTECTOR,APRON,HAT,SHOULDER PROTECTION. Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING,SMOKE,USING SANITARY FACILITIES. Supplemental Safety and Health NONE.
========= Physical/Chemical Properties =========
HCC:N1 Solubility in Water:INSOLUBLE Appearance and Odor:WELDING ROD.NO ODOR.
========= Stability and Reactivity Data =========

Stability Indicator/Materials to Avoid:YES
Hazardous Decomposition Products: FUMES OF METALS AND METALS
OXIDES,CO.NO*2,O*3.

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

Waste Disposal Methods:DISPOSE OF FUMES,FLUX OR WELD GRINDING RESIDUE FROM THE WORK AREA OR FROM FILTERS IAW ALL APPLICABLE FEDERAL,STATE AND LOCAL REGULATIONS.

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