View NSN Online: https://aerobasegroup.com/nsn/3439-01-323-9369

Product ID:ALUMINUM 4043,1100,2319,4047 MSDS Date:07/05/1990 FSC:3439 NIIN:01-323-9369 MSDS Number: BWFQN === Responsible Party === Company Name: THERMACOTE-WELCO CO SUB OF FOSTER WHEELER CORP Address:1051 YORK ROAD Box:828 **City:KINGS MOUNTAIN** State:NC ZIP:28086 Cou ntry:US Info Phone Num:800-424-9300(CHEMTREC) Emergency Phone Num:800-424-9300(CHEMTREC) CAGE:24559 === Contractor Identification === Company Name: THERMACOTE-WELCO CO SUB OF FOSTER WHEELER CORP Address:YORK RD Box:828 **City:KINGS MOUNTAIN** State:NC ZIP:28086 Country:US CAGE:24559

Ingred Name:ALUMINUM (SARA III) BASE METAL CAS:7429-90-5 RTECS #:BD0330000 Other REC Limits:NONE RECOMMENDED OSHA PEL:15MG/M3 DUST/5 FUME ACGIH TLV:1 0MG/M3 DUST; 9394

Ingred Name:COBALT (SARA III) CAS:7440-48-4 RTECS #:GF8750000 Other REC Limits:NONE RECOMMENDED OSHA PEL:0.05 MG/M3 ACGIH TLV:0.05 MG/M3;DUST 9394

Ingred Name:COPPER (SARA III) CAS:7440-50-8 RTECS #:GL5325000 Other REC Limits:NONE RECOMMENDED OSHA PEL:0.1MG/M3 FUME/1 DUST ACGIH TLV:0.2 MG/M3 FUME; 9394 EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name:IRON OXIDE CAS:1309-37-1 RTECS #:NO7400000 Other REC Limits:NONE RECOMMENDED OSHA PEL:10 MG/M3 (FE) ACGIH TLV:5MG(FE)/M 3FUME,B2;94

Ingred Name:MAGNESIUM OXIDE CAS:1309-48-4 RTECS #:OM3850000 Other REC Limits:NONE RECOMMENDED OSHA PEL:10 MG/M3 PARTICULATE ACGIH TLV:10 MG/M3, FUME; 9394

Ingred Name:MANGANESE (SARA III) CAS:7439-96-5 RTECS #:OO9275000 Other REC Limits:NONE RECOMMENDED OSHA PEL:C 5 MG/M3 ACGIH TLV:5 MG/M3, DUST; 9394

Ingred Name:SILICON CAS:7440-21-3 RTECS #:VW0400000 Other REC Limits:NONE RECOMMENDED OSHA PEL:10 MG/M3 TDUST ACGIH TLV:10 MG/M3 TDUST; 9394

Ingred Name:SILVER (SARA III) CAS:7440 -22-4 RTECS #:VW3500000 Other REC Limits:NONE RECOMMENDED OSHA PEL:0.01 MG/M3 ACGIH TLV:0.1 MG/M3; 9394 EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name:TIN CAS:7440-31-5 RTECS #:XP7320000 Other REC Limits:NONE RECOMMENDED OSHA PEL:2 MG/M3 ACGIH TLV:2 MG/M3; 9394

Ingred Name:ZINC OXIDE CAS:1314-13-2 RTECS #:ZH4810000 Other REC Limits:NONE RECOMMENDED OSHA PEL:15 MG/M3 TDUST ACGIH TLV:10MG/M3 TDUST; 9394

Routes of Entry: Inhala tion:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:EYES:MAY IRRITATE WHEN WELDING OR PLASMA CUTTING. INHAL:IS NOT LIKELY UNLESS MATERIAL MACHINED,WELDED OR REMELTED. EXPO TO ZINC OXIDE FUME CAN RESULT IN "ZINC CHILLS" (METAL FUME FEVER). RECOVERY IS U SUALLY COMPLETE IN 24-48 HRS.OVEREXPO TO CU FUME CAN CAUSE UPPER RESP TRACT IRRIT. Effects of Overexposure:ZINC CHILLS (METAL FUME FEVER), EYE IRRITATION, UPPER RESP TRACT IRRIT.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MFG.

First Aid:SKIN:REMOVE PARTICLES BY THOROUGHLY WASHING W/SOAP & WATER. EYE:FLUSH W/WATER FOR @LEAST 15MINS. GET MED ATTN IF IRRIT PERSISTS. INHAL:REMOVE FROM EXPOSURE. GET MED ATTN IF EXPERIENCING BREATHING DIFF ICULTY.

Extinguishing Media:DRY POWDER OR SAND. Fire Figh ting Procedures:DO NOT USE WATER OR HALOGEN ON DUST FUMES. Unusual Fire/Explosion Hazard:DAMP ALUMINUM DUST MAY SPONTANEOUSLY HEAT WITH LIBERATION OF HYDROGEN TO FORM EXPLOSIVE AIR MIXTURES.

Handling and Storage Precautions:FINELY DIVIDED AL WILL FORM EXPLO MIX IN AIR.ALSO FORM EXPLO MIX W/HYDROGEN.DO NOT TOUCH CAST AL METAL/HEATED AL PROD W/O KNOWNING METAL TEMP.(SUPPLE) Other Precautions:WHEN REMELTING AL SCRAP E XTRAPPED MOISTURE/PRESENCE

OF STRONG OXIDIZERS(AMMONIUM NITRATE)COULD CAUSE EXPLO.THIS APPLIED TO COLLECTION OF MOISTURE IN SAW CAVITIES AS WELL.MOISTURE MUST BE DRIVEN OFF PR IOR TO REMELTING.LIMIT VAP DEGREASER.

Respiratory Protection: REQUIRED-DETERMINED BY NATURE OF THE PROCESSING ACTIVITY.

Ventilation: TO BE DETERMINED BY THE NATURE OF THE PROCESSING ACTIVITY BEING PERFORMED.

Protective Gloves:DETERMINED

BY NATURE OF PROCESSING ACTIV

Eye Protection: DETERMINED BY NATURE OF PROCESSING ACTIV

Other Protective Equipment: APPROPRIATE PERSONAL PROTECTIVE EQPMT IS REQUIRED WHEN MELTING/CASTING/MACHINING/FORGING/OTHERWISE PORCESSING.

Work Hygienic Practices: TO BE DETERMINED BY THE NATURE OF THE PROCESSING ACTIVITY BEING PERFORMED.

Supplemental Safety and Health

HANDLE/STGE PRECAUT:AL EXPERIENCES NO COLOR CHANGE DURING HEATING.IF METAL IS HOT & TOUCHED BURNS CAN RESULT.AL POWDER MUST BE PK G/SHIP

AS FLAMM SOLID UN1396.HARD ALLOY INGOTS IN 2000/7000 SERIES MUST BE STRESS RELIEVED TO PREVETN EXPLO/VIOL CRACK WHEN SAW.AL SCRAPE CONTAMIN >1% OIL WILL GENERATE OIL VAP WHEN MELTING.

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:950F,510C Spec Gravity:2.5-2.9 Solubility in Water:NIL Appearance and Odor:METALLIC APPEARANCE, NO ODOR.

HALOGEN ACIDE &

NAOH IN CONTACT W/AL GENERATE EXPLO MIX IN AIR IN PRESENCE OF BROMATES,IODATES,AMMONIUM NITRITE. Stability Condition to Avoid:PER MSDS:N/A ALSO PER MSDS:MOISTURE W/STRONG OXIDIZERS. Hazardous Decomposition Products:WELDING AL ALLOYS MAY GENERATE CARBON MONOXIDE,CARBON DIOXIDE,OZONE,NITROGEN OXIDES,INFRA-RED/UV RADIATION,METAL FUMES.

Waste Disposal Methods:USED/UNUSED PRODUCT SHOULD BE TESTED TO DETERMINE H

AZ STATUS & DISPOSAL REQMTS UNDER LOCAL, STATE OR FEDERAL REGULATIONS.

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