

5183 ALUMINUM ALLOYS CONTAINING CHROMIUM

MSDS Number

BRCWN

National Stock Number

3439-00F027927

Product Name

5183 ALUMINUM ALLOYS CONTAINING CHROMIUM

Manufacturer

THERMACOTE WELCO

Product Identification

Product ID:5183 ALUMINUM ALLOYS CONTAINING CHROMIUM

MSDS Date:02/09/1990

FSC:3439

NIIN:00F027927

MSDS Number: BRCWN

Responsible Party

THERMACOTE WELCO

HWY 161 S YORK RD

KINGS MOUNTAIN , NC 28086

US

Emergency Phone: 704-739-6421

Info Phone: 704-739-6421

Cage: 0AES5

Contractor

THERMACOTE WELCO CO

KINGS MOUNTAIN, NC 28086

US

Cage: 0AES5

Ingredients

ALUMINUM (POWDER)

CAS: 7429-90-5

RTECS: BD0330000

OSHA PEL15 MG/CUM

ACGIH TLV: 10 MG/CUM (DUST)

CHROMIUM METAL, CHROMIUM, CHROME (SUSPECTED A1 HUMAN

CAS: 7440-47-3

RTECS: GB4200000

OSHA PEL1 MG/CUM (CEILING)

ACGIH TLV: 0.5 MG/CUM

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

COBALT

CAS: 7440-48-4

RTECS: GF8750000

OSHA PEL0.1 MG/M3;AS CO

ACGIH TLV: 0.05 MG/M3;DUST 9293

COPPER (DUST & MIST), BRONZE POWDER

CAS: 7440-50-8

RTECS: GL5325000

OSHA PEL0.1 MG(CU)/M3 (FUME)

ACGIH TLV: 0.2 MG/M3 (FUME)

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

RED IRON OXIDE/IRON (III) OXIDE/FERRIC OXIDE/YELLOW FERRIC

CAS: 1309-37-1

RTECS: NO7400000

OSHA PEL10 MG/M3 (FE)

ACGIH TLV: 5 MG/M3(FE),B2; 9293

MAGNESIUM OXIDE, MAGNESIA

CAS: 1309-48-4

RTECS: OM3850000

OSHA PEL15 MG/M3 PARTICULATE

ACGIH TLV: 10 MG/M3;TDUST; 9293

MANGANESE, MN COMPOUNDS

CAS: 7439-96-5

RTECS: OO9275000

OSHA PEL(C) 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST 9293

SILICON

CAS: 7440-21-3

RTECS: VW0400000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

SILVER

CAS: 7440-22-4

RTECS: VW3500000

OSHA PEL0.01 MG/CUM
ACGIH TLV: 0.1 MG/CUM
EPA Report Quantity: 1 LB
DOT Report Quantity: 1 LB

TIN (AS SN)
CAS: 7440-31-5
RTECS: XP7320000
OSHA PEL2.0 MG/CUM
ACGIH TLV: 2.0 MG/CUM

ZINC OXIDE
CAS: 1314-13-2
RTECS: ZH4810000
OSHA PEL15MG/M3 TDUST/5 FUME
ACGIH TLV: 10MG/M3 TDUST; 9293

Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: ZINC CHILLS, METAL FUME
FEVER, CHILLS, NAUSEA, VOMITING, MUSCULAR PAIN, UPPER RESPIRATORY
TRACT IRRITATION. SKIN/EYES: IRRITATION.
Explanation of Carcinogenicity:NONE

First Aid

First Aid:SKIN: WASH W/SOAP & WATER. EYES: FLUSH W/WATER FOR 15 MINS.
INHALATION: REMOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION IN ALL
CASES.

Fire Fighting

Extinguishing Media:DRY POWDER OR SAND
Fire Fighting Procedures:DON'T USE WATER OR HALOGEN ON DUST FIRES.
Unusual Fire/Explosion Hazard:DAMP ALUMINUM DUST MAY SPONTANEOUSLY HEAT
W/LIBERATION OF HYDROGEN TO FORM EXPLOSIVE AIR MIXTURES.

Handling

Handling and Storage Precautions:DON'T TOUCH CAST ALUMINUM METAL OR
HEATED ALUMINUM PRODUCT WITHOUT KNOWING METAL TEMPERATURE. ALUMINUM
EXPERIENCES NO COLOR CHANGE DURING HEATING.
Other Precautions:WHEN REMELTING ALUMINUM SCRAP, ENTRAPPED MOISTURE OR
PRESENCE OF STRONG OXIDIZERS, COULD CAUSE EXPLOSION. THIS APPLIES
TO COLLECTION OF MOISTURE IN SAW CAVITIES AS WELL. MOISTURE MUST BE
DRIVEN OFF PRIOR TO REMELTING.

Exposure Controls

Respiratory Protection:RECOMMENDED
Eye Protection:GLASSES
Other Protective Equipment:PROTECTIVE CLOTHING & EAR PROTECTION
Supplemental Safety and Health
ALUMINUM POWDER MUST BE PACKAGED & SHIPPED AS FLAMMABLE SOLID UN1396.
HARD ALLOY INGOTS IN THE 2000 & 7000 SERIES MUST BE STRESS-RELIEVED
TO PREVENT EXPLOSION OR VIOLENT CRACKING WHEN SAWED. MAINTAIN
VAPOR DEGREASER TO LIMIT ACCUMULATION OF ALUMINUM FINES WHICH COULD
RESULT IN A POTENTIAL DEGREASER FIRE OR EXPLOSION.

Chemical Properties

Melt/Freeze Pt:M.P/F.P Text:950-1215F
Spec Gravity:2.5-2.9
Appearance and Odor:METALIC APPEARANCE W/NO ODOR

Stability

Stability Indicator/Materials to Avoid:YES
HYDROGEN, HALOGEN ACIDS, SODIUM HYDROXIDE, BROMATES, IODATES, AMMONIUM
NITRATE, STRONG OXIDIZERS
Hazardous Decomposition Products:CO, CO2, OZONE, NITROGEN OXIDES,
INFRA-RED RADIATION, ULTRA-VIOLET RADIATION, METAL FUMES & OIL
VAPROS

Disposal

Waste Disposal Methods:USED OR UNUSED PRODUCT SHOULD BE TESTED TO
DETERMINE HAZARD STATUS & DISPOSAL REQUIREMENTS IN ACCORDANCE
W/FEDERAL, STATE & LOCAL REGULATIONS.

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