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## **ALUMINUM ALLOYS**

### **MSDS Number**

BHCVN

### **National Stock Number**

5610-01-012-3430

### **Product Name**

ALUMINUM ALLOYS

### **Manufacturer**

ALUMINUM COMPANY OF AMERICA

### **Product Identification**

Product ID:ALUMINUM ALLOYS

MSDS Date:04/04/1989

FSC:5610

NIIN:01-012-3430

MSDS Number: BHCVN

### **Responsible Party**

ALUMINUM COMPANY OF AMERICA

1501 ALCOA BUILDING

PITTSBURGH , PA 15219

US

Emergency Phone: 412-553-4001

Info Phone: 412-553-2881

Cage: 8B995

### **Contractor**

ALUMINUM COMPANY OF AMERICA

PITTSBURGH, PA 15219

US

412-553-4001

Cage: 8B995

### **Ingredients**

MANGANESE (SARA III)

CAS: 7439-96-5

RTECS: OO9275000

Fraction By Weight: 0.5-1.0%

OSHA PEL(C) 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST 9293

CHROMIUM (SARA III)

CAS: 7440-47-3

RTECS: GB4200000

Fraction By Weight: .05-0.2%

OSHA PEL1 MG/M3

ACGIH TLV: 0.5 MG/M3; 9192



EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

IRON

CAS: 7439-89-6

RTECS: NO4565500

ALUMINUM (SARA III)

CAS: 7429-90-5

RTECS: BD0330000

Fraction By Weight: 60-100%

OSHA PEL15MG/M3 DUST/5 FUME

ACGIH TLV: 10MG/M3 DUST; 9192

## Hazards

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ALUMINUM SHOULD BE TREATED AS A  
NUISANCE DUST IN MOST OPERATIONS. THIS NSN (A PLATE) DOES NOT  
PRESENT EVEN THAT HAZARD.

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:NONE EXPECTED TO OCCUR

Medical Cond Aggravated by Exposure:NONE

## First Aid

First Aid:IF ANY IRRITATION OCCURS, PERSISTS, OR IS SEVERE, SEE A  
DOCTOR.

## Fire Fighting

Flash Point:NONE

Extinguishing Media:USE MEDIA SUITABLE FOR SURROUNDING FIRE, EXCEPT DO  
NOT USE HALOGENATED EXTINGUISHING AGENTS ON CHIPS OR POWDERS.

Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:REACTS WITH ACIDS OR ALKALIS TO LIBERATE  
HYDROGEN AN EXPLOSIVE GAS.

## Accidental Release

Spill Release Procedures:SWEEP OR PICK UP.

Neutralizing Agent:NONE

## Handling

Handling and Storage Precautions:NO SPECIAL HANDLING OR STORAGE  
REQUIREMENTS.

Other Precautions:NONE

## Exposure Controls

Respiratory Protection:NOT NORMALLY REQUIRED. USE NIOSH/MSHA APPROVED  
RESPIRATOR FOR DUST IF PEL/TLV OF NUISANCE DUST IS EXCEEDED.

Ventilation:NOT NORMALLY REQUIRED.

Protective Gloves:TO PROTECT FROM CUTS, BURNS, ETC.

Eye Protection:SAFETY GLASSES

Other Protective Equipment:NONE

Work Hygienic Practices:USE GOOD INDUSTRIAL HYGIENE PRACTICE.

Supplemental Safety and Health

MFR SUPPLIES MANY STANDARD ALUMINUM ALLOYS COVERED UNDER THIS MSDS.  
FOR FORMULATION ANY OTHERS, SEE ASTM SPECS, OR ALCOA SPECS.

## Chemical Properties



HCC:N1  
Melt/Freeze Pt:M.P/F.P Text:900-1200F  
Spec Gravity:2.63-3.12  
Solubility in Water:NONE  
Appearance and Odor:SOLID METAL PLATE, NO ODOR  
Percent Volatiles by Volume:0

### **Stability**

Stability Indicator/Materials to Avoid:YES  
OXIDIZERS, ACIDS, ALKALIS, (IF ALUMINUM IS POWDERED, HALOGENATED  
HYDROCARBONS)  
Stability Condition to Avoid:EXCESSIVE HEAT  
Hazardous Decomposition Products:REACTION WITH ACIDS OR ALKALIS  
LIBERATES HYDROGEN, AN EXPLOSIVE GAS.

### **Disposal**

Waste Disposal Methods:DISPOSE I/A/W FEDERAL,STATE,LOCAL REGULATIONS.  
IF NOT RECOVERABLE SELL AS SCRAP OR DISPOSE AS ORDINARY REFUSE.

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