

## **ATOMIZED ALUMINUM POWDER, CODE:01-0840**

### **MSDS Number**

BBDKL

### **National Stock Number**

6810-00D000834

### **Product Name**

ATOMIZED ALUMINUM POWDER, CODE:01-0840

### **Manufacturer**

HUMMEL CHEMICAL CO

### **Product Identification**

Product ID:ATOMIZED ALUMINUM POWDER, CODE:01-0840

MSDS Date:10/02/1985

FSC:6810

NIIN:00D000834

MSDS Number: BBDKL

### **Responsible Party**

HUMMEL CHEMICAL CO

10 HARMICH ROAD

SOUTH PLAINFIELD , NJ 07080

US

Emergency Phone: (201) 754-1800

Cage: 60728

### **Contractor**

HUMMEL CROTON INC

SOUTH PLAINFIELD, NJ 07080

US

908-754-1800

Cage: 60728

### **Ingredients**

ALUMINUM (SARA III)

CAS: 7429-90-5

RTECS: BD0330000

Fraction By Weight: >98.5%

OSHA PEL15MG/M3 DUST/5 FUME

ACGIH TLV: 10MG/M3 DUST; 9192

### **Hazards**

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE:DUST MAY CAUSE RESPIRATORY TRACT IRRITATION.

Effects of Overexposure:INHALATION:HIGH CONCENTRATION CAN CAUSE RESPIRATORY TRACT IRRITATION;EYES:DUST MAY CAUSE

IRRITATION;SKIN:REPEATED AND PROLONGED CONTACT MAY CAUSE SLIGHT IRRITATION;INGESTION:NEGLIGIBLE EFFECTS.

Medical Cond Aggravated by Exposure:PRE-EXISTING UPPER RESPIRATORY AND LUNG DISEASE SUCH AS,BUT NOT LIMITED TO,BRONCHITIS,EMPHYSEMA AND ASTHMA.

## First Aid

First Aid:INHALE:REMOVE TO FRESH AIR, GIVE CPR/O\*2 IF  
NEED;EYES/SKIN:FLUSH W LG AMTS H\*2O FOR 15 MIN;INGEST:RINSE MOUTH;  
GET MEDICAL ATTENTION FOR EYES, BREATHING DIFFICULTY, OR OTHER  
SYMPTOMS OF OVEREXPOSURE.

## Fire Fighting

Flash Point:NONE  
Extinguishing Media:USE CLASS"D" DRY CHEMICAL EXTINGUISHING AGENTS SUCH  
AS DRY SAND; DO NOT USE WATER OR HALOGENATED AGENT AS EXTINGUISHER.  
Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS IN  
PRESSURE DEMAND MODE;GENTLY COVER THE BURNING POWDER WITH  
EXTINGUISHER(DO NOT MIX WITH POWDER).PREVENT DUST FORMATION.  
Unusual Fire/Explosion Hazard:WATER & BURNING ALUMINUM POWDER REACT  
VIOLENTLY FORMING HYDROGEN & ALUMINUM OXIDE.ALUMINUM DUST MAY BE  
IGNITED BY STATIC DISCHARGE.DUST IN AIR MAY BE EXPLOSION.

## Accidental Release

Spill Release Procedures:REMOVE ALL IGNITION SOURCES.USE NON-SPARKING  
TOOLS(SHOVELS).WEAR APPROPRIATE PROTECTIVE EQUIPMENTS.TRANSFER  
SPILLED MATERIAL TO A LEAK PROOF CONTAINER FOR HAZARDOUS WASTE  
DISPOSAL.IF VACUUM CLEANER IS USED,IT SHOULD BE GROUNDED TO  
PREVENT STATIC.

## Handling

Handling and Storage Precautions:USE NON-SPARKING HANDLING  
EQUIPMENT.COVER AND RESEAL PARTIALLY EMPTY CONTAINERS.KEP  
COMPLETELY DRY.STORAGE AREA MUST BE OF FIRE RESISTANT CONSTRUCTN.

## Exposure Controls

Respiratory Protection:WEAR APPROVED DUST MASK  
Ventilation:LOCAL EXHAUST TO KEEP BELOW TLV LIMITS.  
Protective Gloves:NOT NEEDED BUT WEAR COVERALLS  
Eye Protection:SAFETY GLASSES WITH SIDE SHIELD  
Supplemental Safety and Health  
TYPE II MATERIAL OF SPEC MIL-P-14067 IS ALUMINUM  
POWDER,ATOMIZED,SPHEROIDAL OR GRANULAL SHAPED; FOR SHIPPING  
INFORMATION OF THIS PRODUCT CHECK DGSC-SLM CASE HISTORY  
NO.87252H,PARAGRAPH 3(D).

## Chemical Properties

HCC:N1  
Spec Gravity:2.70  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:SILVERY METALLIC,NO ODOR

## Stability

Stability Indicator/Materials to Avoid:YES  
WATER,HALOGENATED HYDROCARBONS,MINERAL ACIDS,ALKALIS AND STRONG  
OXIDIZING MATERIALS.  
Stability Condition to Avoid:IMPROPER STORAGE WHICH WOULD ALLOW  
INTRODUCTION OF WATER/MOISTURE,HEAT,SPARKS & FOREIGN MATERIAL.  
Hazardous Decomposition Products:ALUMINUM WHEN REACTS WITH WATER,ACIDS  
OR ALKALIS,IT FORMS COMBUSTIBLE HYDROGEN GAS.

## Disposal

Waste Disposal Methods:FOR DISPOSAL OF THIS MATERIAL AS A WASTE,ACT IN  
ACCORDANCE WITH ALL APPLICABLE FEDERAL,STATE & LOCAL WASTE  
MANAGEMENT REGULATIONS.

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