

## **LITTON PN L2105-50 ALNICO MAGNETS**

### **MSDS Number**

BNKLS

### **National Stock Number**

5960-01-040-4440

### **Product Name**

LITTON PN L2105-50 ALNICO MAGNETS

### **Manufacturer**

LITTON SYS INC ELECTRONIC DEVICES DIV

### **Product Identification**

Product ID:LITTON PN L2105-50 ALNICO MAGNETS

MSDS Date:04/15/1989

FSC:5960

NIIN:01-040-4440

MSDS Number: BNKLS

### **Responsible Party**

LITTON SYS INC/ELECTRONIC DEVICES DIV

960 INDUSTRIAL RD

SAN CARLOS , CA 94070-4116

US

Emergency Phone: (415) 591-8411

Info Phone: (415) 591-8411

Cage: MO696

### **Contractor**

LITTON SYS INC/ELECTRONIC DEVICES DIV

SAN CARLOS, CA 94070-4116

US

(415) 591-8411

Cage: MO696

### **Ingredients**

ALUMINUM (POWDER)

CAS: 7429-90-5

RTECS: BD0330000

OSHA PEL15 MG/CUM

ACGIH TLV: 10 MG/CUM (DUST)

NICKEL (SOLUBLE)

CAS: 7440-02-0

RTECS: QR5950000

OSHA PEL1 MG/CUM

ACGIH TLV: 0.05 MG/CUM IC (A1)

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

TITANIUM DIOXIDE, TITANIUM(IV) OXIDE, TIO2

CAS: 13463-67-7

RTECS: XR2275000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

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

## Hazards

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

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

Health Hazards Acute and Chronic:INHALATION: UPPER RESPIRATORY TRACT IRRITATION. SKIN: ALLERGIC REACTION

Explanation of Carcinogenicity:NICKEL IS A SUSPECTED (A1) HUMAN CARCINOGEN.

Effects of Overexposure:INHALATION: UPPER RESPIRATORY TRACT IRRITATION. SKIN: ALLERGIC REACTION.

## First Aid

First Aid:OBTAIN MEDICAL ATTENTION IN ALL CASES.

## Fire Fighting

Extinguishing Media:DRY NITROGEN OR ARGON OR SMOTHER W/DRY CHEMICAL

Fire Fighting Procedures:DON'T USE WATER OR HALON AGENTS ON FIRE.

POWDER MAY REIGNITE AFTER FIRES ARE EXTINGUISHED. BURNS RAPIDLY & INTENSELY.

Unusual Fire/Explosion Hazard:FINE METAL POWDERS PRODUCED BY DRY GRINDING/MACHINING MAY CAUSE EXPLOSION. DRY POWDER OR GRINDING SLUDGE MAY IGNITE SPONTANEOUSLY IN AIR OR OXYGEN.

## Handling

Handling and Storage Precautions:DON'T GRIND, CUT, FILE, SAW OR OTHERWISE CREATE DUST FROM MAGNETIC MATERIAL USED AS A PART OF MICROWAVE TUBES.

Other Precautions:MICROWAVE TUBES W/MAGNETIC MATERIAL HAVING A MAGNETIC

FIELD IN EXCESS OF 0.00525 GAUSS MEASURED AT 15 FT FROM ANY SURFACE  
SHOULD NOT BE SHIPPED ON AIRCRAFT.

## Exposure Controls

Respiratory Protection: IF >TLV, USE A NIOSH APPROVED RESPIRATOR.

Work Hygienic Practices: USE GOOD PERSONAL HYGIENE

Supplemental Safety and Health

## Chemical Properties

Melt/Freeze Pt: M.P/F.P Text: 2417F

Spec Gravity: 7-8.5

Solubility in Water: INSOLUBLE

Appearance and Odor: METALLIC SILVER/LIGHT GREY METAL, ODORLESS.

## Stability

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS SUCH AS NITRIC ACID

## Disposal

Waste Disposal Methods: RECYCLING OF MAGNETS USED IN MICROWAVE TUBES IS  
RECOMMENDED. RETURN TO MANUFACTURER FOR RECYCLING, OTHERWISE  
DISPOSE IN ACCORDANCE W/FEDERAL, STATE & LOCAL REGULATIONS.

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