

## **H-48**

### **MSDS Number**

BVWLS

### **National Stock Number**

4130-00N054270

### **Product Name**

H-48

### **Manufacturer**

ALCO CONTROLS

### **Product Identification**

Product ID:H-48

MSDS Date:11/12/1993

FSC:4130

NIIN:00N054270

MSDS Number: BVWLS

### **Responsible Party**

ALCO CONTROLS

SAINT LOUIS , MO 63141-1400

US

Emergency Phone: 314-569-4500

Info Phone: 314-569-4500

Cage: IO896

### **Contractor**

ALCO CONTROLS DIV, EMERSON ELECTRIC CO

MARYLAND HEIGHTS, MO 63043-3215

US

314-569-4109

Cage: 70255

### **Ingredients**

SODIUM OXIDE

CAS: 1313-59-3

Fraction By Weight:

OSHA PELN/K

ACGIH TLV: N/K

POTASSIUM OXIDE (MFR CAS# 12136-45-7)

CAS: 12030-89-6

RTECS: TT3790000

Fraction By Weight:

OSHA PELN/K

ACGIH TLV: N/K

MAGNESIUM OXIDE

CAS: 1309-48-4

RTECS: OM3850000

Fraction By Weight:

OSHA PEL10 MG/M3 PARTICULATE

ACGIH TLV: 10 MG/M3, FUME

ALUMINUM OXIDE

CAS: 1344-28-1

RTECS: BD1200000

Fraction By Weight:

OSHA PEL10 MG/M3

ACGIH TLV: 10 MG/M3

SILICA OXIDE

CAS: 112945-52-5

RTECS: VV7310000

Fraction By Weight:

OSHA PEL6 MG/M3

ACGIH TLV: 10 MG/M3

## Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:ACUTE:INGEST: NO EVIDENCE OF ADVERSE EFTS FROM AVAIL INFO. SKIN ABSORB:NO EVIDENCE OF ADVERSE EFTS FROM AVAILABLE INFORMATION. INHAL:MAY CAUSE IRRITATION OF THE NOSE AND THROAT, ACCOMPANIED BY COUGH AND CHEST DISCOMFORT. SKIN:MAY CAUSE IRRITATION SEEN AS LOCAL REDNESS AND/OR BURNS. (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:EYE: MAY CAUSE IRRITATION SEEN AS LOCAL REDNESS OF THE CONJUNCTIVA AND/OR BURNS. CHRONIC:PROLONGED INHALATION MAY CAUSE LUNG DAMAGE.

Medical Cond Aggravated by Exposure:BREATHING OF DUST MAY AGGRAVATE ASTHMA AND INFLAMMATORY OR FIBROTIC PULMONARY DISEASE.

## First Aid

First Aid:INGEST:IF INGESTED LG QTYS, THEN DRINK 2 GLASSES OF WATER. INDUCE VOMITING IF THE PATIENT IS CONSCIOUS. SKIN:WASH THE CONTACTED AREA WITH SOAP AND WATER. INHAL:REMOVE THE PERSON TO FRESH AIR. EYE CONT ACT:IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES.

## Fire Fighting

Flash Point:DOES NOT BURN

Extinguishing Media:UNUSED MATERIAL WILL NOT BURN. USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP. DEPENDS ON USE OF MATL. USER OF PROD MUST IDENTIFY HAZ OF RETAINED MATL & INFORM FIRE FIGHTERS OF THESE HAZARDS.

Unusual Fire/Explosion Hazard:IN THEIR FRESH STATE DRIERS ARE NOT FLAMM. HOWEVER, USED HERMETIC DRIERS MAY CONTAIN REFRIGERANT UNDER HIGH PRESS. PREC MUST BE TAKEN TO AVOID PRESS RELEASES.

## Accidental Release

Spill Release Procedures:SWEEP THE SPILL AREA. COLLECT AND PLACE THE

SPIILLED MATERIAL IN A WASTE DISPOSAL CONTAINER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

## Exposure Controls

Respiratory Protection:A NIOSH/MSHA APPROVED RESPIRATOR FOR PROTECTION AGAINST DUST, MIST OR VAPOR IS RECOMMENDED FOR OPERATIONS WHEN THE PERMISSIBLE EXPOSURE LIMIT MIGHT BE EXCEEDED.  
Ventilation:LOCAL EXHAUST VENT IS REC FOR OPERATIONS WHERE THE PERMISSIBLE EXPOSURE LIMIT MIGHT BY EXCEEDED.  
Protective Gloves:IMPERVIOUS GLOVES .  
Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .  
Other Protective Equipment:SELECT IN ACCORDANCE WITH OSHA 1910.132 AND 1910.133.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
HAZ DECOMP PROD:THESE RETAINED MATERIALS OF USE. THE DRIERS THEMSELVES DO NOT READILY DECOMPOSE UNLESS SUBJECTED TO EXTREME TEMPS OR CHEMICAL CONDITIONS. IF SUCH DECOMP DID OCCUR THE PRODUCTS WOULD IN CLUDE THE MIX OF OXIDES LISTED IN ING SECTION.

## Chemical Properties

HCC:V7  
Appearance and Odor:PRODUCT MAY APPEAR AS BLOCK STYLE OR IN HERMETIC SHELL.

## Stability

Stability Indicator/Materials to Avoid:YES  
SUDDEN CONTACT WITH STRONG ACIDS SUCH AS HYDROCHLORIC ACID AND NITRIC ACID.  
Stability Condition to Avoid:USED HERMETIC DRIERS CAN CONTAIN REFRIGERANT UNDER PRESSURE. REMOVE SEALING CAPS SLOWLY ON RESEALED DRIERS.  
Hazardous Decomposition Products:IT IS POSS THAT OILS CAN BE RETAINED IN DRIER. IT IS REASONABLE TO EXPECT THAT DECOMP PRODS WILL COME FROM (SUPP DATA)

## Disposal

Waste Disposal Methods:DISCARD ANY PRODUCT (INCLUDING ANY RETAINED MATERIALS OF USE), DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

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