

BUEHLER LTD -- KONDUCTOMET I MOUNTING RESIN

=====  
MSDS Safety Information  
=====

FSC: 9330  
NIIN: 01-219-9938  
MSDS Date: 12/13/1997  
MSDS Num: CKHZQ  
Product ID: KONDUCTOMET I MOUNTING RESIN  
MFN: 02  
Responsible Party  
Cage: 09410  
Name: BUEHLER LTD  
Address: 41 WAUKEGAN RD  
City: LAKE BLUFF IL 60044  
Info  
Phone Number: 847-295-6500  
Emergency Phone Number: 800-424-9300  
Resp. Party Other MSDS No.: 20-3375-016  
Proprietary Ind: Y  
Review Ind: Y  
Published: Y

=====  
Contractor Summary  
=====

Cage: 09410  
Name: BUEHLER LTD.  
Address: 41 WAUKEGAN RD.  
City: LAKE BLUFF IL 60044-1687  
Phone: 847-295-8500

=====  
Item Description Information  
=====

Item Manager: S9I  
Item Name: PLASTIC MOLDING MATERIAL  
Specification Number: NONE  
Type/Grade/Class: NONE  
Unit of Issue: LB  
UI Container Qty: 0  
Type of Container: UNKNOWN

=====  
Ingredients  
=====

Name: \*\*\* PROPRIETARY \*\*\*  
-----

=====  
Health Hazards Data  
=====

=====

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: MAY CAUSE ALLEGIC SKIN REACTION IN SENSITIVE INDIVIDUALS. DUST GENERATED DURING ROUTINE HANDLING OR MACHINING OF CURED MATERIAL MAY CAUSE MECHANICAL EYE AND SKIN IRRITATION. PHENOLIC RESIN: MAY CAUSE SKIN SENSITIZATION & DRMATITIS IN SENSITIVE PERSON. PHENOL:MAY CAUSE RESPIRATORY & EYE IRRITATION OR BURNING. MAY BURN, ANESTHETIZE OR

BE ABSORBED CAUSING SYSTEMIC POISONING. INGESTION MAY CAUSE LIVER & KIDNEY INJURY. FIBERGLASS:ABRASIVE & IRRITANT CHARACTERISTICS NOTED AFTER CONTACT WITH SKIN OR MUCOUS MEMBRANES. HEXAMETHYLENETETRAMINE MAY CAUSE SKIN, EYE & RESPIRATORY IRRITATION. GRAPHITE MAY CA USE A DISABLING PNEUMOCONIOSIS.

Explanation Of Carcinogenicity: IN JUNE 1987, IARC REVIEWED EXISTING EPIDEMIOLOGY AND ANIMAL STUDIES ON FILAMENT GLASS FIBERS AND DESIGNATED THIS FIBER AS NON-CLASSIFIABLE AS TO HUMAN CARCINOGENICITY. THIS MEANS EVIDENCE WAS INSUFFI CIENT TO LINK FIBERGLASS TO CANCER.

Signs And Symptions Of Overexposure: ALLERGIC SKIN REACTION, RESPIRATORY TRACT, SKIN AND EYE IRRITATION. BURNS. KIDNEY DAMAGE. HEADACHE, COUGHING, DEPRESSION, DECREASED APPETITE, DYSPNEA, PRODUCTION OF BLACK SPUTUM.

First Aid: INHALATION: REMOVE TO FRESH AIR. PROVIDE OXYGEN IF NECESSARY. IF NOT BREATHING, GIVE MOUTH-TO-MOUTH RESUSCITATION. CALL A PHYSICIAN. EYE: IRRIGATE WITH WATER FOR A MINIM

UM OF 15 MINS. SEEK MEDICAL ATT ENTION. SKIN: WASH THOROUGHLY WITH SOAP & WATER. SEK MEDICAL ATTENTION IF IRRITATION DEVELOPS. WASH CONTAMINATED CLOTHING BEFORE REUSE. INGESTION: INDUCE VOMITING IF LARGE AMOUNTS ARE INGESTED. NEVER GIVE ANYTHING BY MOUTH TO OR INDUCE VOMITING ON AN UNCONSCIOUS VICTIM.

=====

Handling and Disposal

=====

Spill Release Procedures: CONTAMINATED MATERIAL SHO ULD BE PICKED UP AND DISPOSED OF PROPERLY.

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.

Handling And Storage Precautions: THE USE OF GLOVES WHEN HANDLING UNCURED MATERIAL IS RECOMMENDED. AVOID SKIN CONTACT. WHEN PROCESSING AT ELEVATED TEMPERATURES, PROVIDE ADEQUATE VENTILATION TO CONTROL PROCESSING FUMES & VAPORS. STORE AT OR BELOW 65 DEG F.

=====

Fire and Explosion Hazard Informati

on

=====  
Autoignition Temp Text: NONE P

Extinguishing Media: CARBON DIOXIDE, FOAM, DRY CHEMICAL, WATER.

Fire Fighting Procedures: NO INFORMATION.

Unusual Fire/Explosion Hazard: NO INFORMATION.  
=====

Control Measures

=====  
Respiratory Protection: USUALLY NOT NEEDED. USE NIOSH APPROVED RESPIRATOR IF EXPOSURE LIMITS ARE EXCEEDED. IN THE ABSENCE OF ADEQUATE GENERAL OR LOCAL

VENTILATION, PROVIDE NIOSH APPROVED RESPIRATORS TO MINIMIZE EXPOSURE TO G AS, VAPORS, OR FUMES RELEASED DURING LAY UP OR MOLDING OPERATONS.

Ventilation: LOCAL EXHAUST. PROVIDE GOOD GENERAL &/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE LEVELS BELOW THE EXPOSURE LIMITS, PARTICULARLY WHERE GRINDING OR HEATING

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: SAFETY GLASSES AND FACE SHIELD.

Work Hygienic Practices: GOOD PERSONAL HYGIENE TO BE FOLLOWED AT ALL TIMES.  
=====

Physical/Chemical Properties

=====  
HCC: N1

Spec Gravity: 1.85 TO 1.90

PH: NONE PROVIDED

Evaporation Rate & Reference: NO INFORMATION

Solubility in Water: NO INFORMATION

Appearance and Odor: BLACK MOLDING MATERIAL - SLIGHT ODOR

Percent Volatiles by Volume: < 5%  
=====

Reactivity Data

=====  
Stability Indicator: YES

Stability Condition To Avoid: NO INFORMATION.

Materials To Avoid: STRONG ACIDS, STRONG BASES, STRONG OXIDIZERS.

Hazardous Decomposition Products: DESNSE SMOKE, ACID VAPORS AND FUMES. HYDROCARBONS OF VARIABLE COMPOSITION, COX, NOX.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.  
=====

Toxicological Information

=====

Ecological Information

MSDS Transport Information

Regulatory Information

Sara Title III Information: SARA 313 REPORTABLE INGREDIENTS: PHENOL, CAS NO. 108-95-2.

Federal Regulatory Information: ALL COMPONENTS APPEAR IN THE EPA TSCA INVENTORY.

State Regulatory Information: SUBSTANCES ON THE PENNSYLVANIA HAZARDOUS SUBSTANCES LIST AT CONCENTRATIONS OF 1% (OR 0.1%) FOR SPECIAL HAZARDOUS SUBSTANCES: OR MORE: PHENOL, 108-95-2; FORMALDEHYDE, 50-00-0; GRAPHITE, 7782-42-5. NON-HAZARDOUS INGREDIENTS PRESENT AT A CONCENTRATION OF 3% OR MORE REQUIRED TO BE LISTED BY PENNSYLVANIA: NONE. THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE CALIFORNIA DRINKING WATER AND TOXIC EFFECT ENFORCEMENT: THIS PRODUCT CONTAINS RESIDUAL LEVELS OF A SUBSTANCE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE EFFECTS.

Other Information

Other Information: ABBREVIATION: N/A=NOT AVAILABLE. N/E NOT ESTABLISHED. N/I NO INFORMATION.

Transportation Information

Responsible Party Code: 09410  
Trans ID NO: 152508  
Product ID: KONDUCTOMET I MOUNTING RESIN  
MSDS Prepared Date: 12/13/1997  
Review Date: 04/19/2000  
MFN: 2  
Net Unit Weight: 1 LB  
Multiple KIT Number: 0  
Unit Of Issue: LB  
Container QTY: 0  
Type Of Container: UNKNOWN

Detail DOT Information

DOT PSN Code: ZZZ  
DOT Proper Shipping Name: NOT RE

REGULATED BY THIS MODE OF TRANSPORTATION

=====  
Detail IMO Information  
=====

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

=====  
Detail IATA Information  
=====

IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

=====  
Detail AFI Information  
=====

AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

=====  
HAZCOM Label  
=====

Product ID: KONDUCTOMET I MOUNTING RESIN

Cage: 09410

Company Name: BUEHLER LTD.

Street: 41 WAUKEGAN RD.

City: LAKE BLUFF IL

Zipcode: 60044-1687

Health Emerg

ency Phone: 800-424-9300

Label Required IND: Y

Date Of Label Review: 04/19/2000

Status Code: A

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: NO

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: MAY CAUSE ALLEGIC SKIN REACTION. DUST GENERATED MAY  
CAUSE MECHANICAL EYE & SKIN IRRITATION. PHENOLIC RESIN: MAY CAUSE SKIN  
SENSITIZATION & DRMATITIS IN SENSITIV

E PERSON. PHENOL:MAY CAUSE

RESPIRATORY & EYE IRRITATION OR BURNING. MAY BURN, ANESTHETIZE OR BE ABSORBED CAUSING SYSTEMIC POISONING. INGESTION MAY CAUSE LIVER & KIDNEY INJURY. FIBERGLASS:ABRASIVE & IRRITANT CHARACTERISTICS NOTED AFTER CONTACT WITH SKIN OR MUCOUS MEMBRANES. HEXAMETHYLENETETRAMINE MAY CAUSE SKIN, EYE & RESPIRATORY IRRITATION. GRAPHITE MAY CAUSE A DISABLING PNEUMOCONIOSIS. TARGET ORGNS:NO INFORMATION FOUND.

=====

=====

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and

disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.