

LA-CO INDUSTRIES -- UNIVERSAL CEMENT  
MATERIAL SAFETY DATA SHEET  
LA-CO INDUSTRIESNSN: 685000F045556  
Manufacturer's CAGE: 08854  
Part No. Indicator: A  
Part Number/Trade Name: UNIVERSAL CEMENT

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General Information  
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Company's Name: LA-CO INDUSTRIES INC  
Company's Street: 250 N WASHTENAW AVE  
Company's City: CHICAGO  
Company's State: IL  
Company's Country: US  
Company's Zip Code: 60612-2014  
Company's Emerg Ph #: 312-826-1700  
Company's Info Ph #: 312-826-1700  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 001  
Status: SE  
Date MSDS Prepared: 20MAR89  
Safety Data Review Date: 13DEC95  
Preparer's Company: LA-CO INDUSTRIES INC  
Preparer's St Or P. O. Box: 250 N WASHTENAW AVE  
Preparer's City: CHICAGO  
Preparer's State: IL  
Preparer's Zip Code: 60612-2014  
MSDS Serial Number: BYLSZ

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Ingredients/Identity Information  
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Proprietary: NO  
Ingredient: TETRAHYDROFURAN  
Ingredient Sequence Number: 01  
Percent: 23  
NIOSH (RTECS) Number: LU5950000  
CAS Number: 109-99-9  
OSHA PEL: 200 PPM  
ACGIH TLV: 590 MG/CUM  
Other Recommended Limit: 200 PPM

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Proprietary: NO  
Ingredient: 2-BUTANONE (METHYL ETHYL KETONE) (MEK)  
Ingredient Sequence Number: 02  
Percent: 55  
NIOSH (RTECS) Number: EL6475000  
CAS Number: 78-93-3  
OSHA PEL: 200 PPM  
ACGIH TLV: 590 MG/CUM  
Other Recommended Limit: 590 MG/CUM

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Proprietary: NO  
Ingredient: CYCLOHEXANONE, KETOHEXAMETHYLENE  
Ingredient Sequence Number: 03  
Percent: 10  
NIOSH (RTECS) Number: GW1050000  
CAS Number: 108-94-1

OSHA PEL: 50 PPM  
ACGIH TLV: 100 MG/CUM  
Other Recommended Limit: 100PPM (SKIN) STEL

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Physical/Chemical Characteristics

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Appearance And Odor: LOW VISCOSITY LIQUID W/ETHER LIKE ODOR.  
Boiling Point: 151F  
Vapor Pressure (MM Hg/70 F): 143  
Vapor Density (Air=1): 2.5  
Specific Gravity: 0.91  
Evaporation Rate And Ref: (BU AC=1): 1  
Solubility In Water: SLIGHT

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Fire and Explosion Hazard Data

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Flash Point: 6F  
Flash Point Method: TCC  
Lower Explosive Limit: 2  
Upper Explosive Limit: 11.8  
Extinguishing Media: CO2, DRY CHEMICAL  
Special Fire Fighting Proc: FIGHT FIRE FROM SAFE DISTANCE. DON'T USE SOLID WATER STREAM, MAY SPREAD FIRE. USE WATER SPRAY/FOG FOR COOLILNG.  
Unusual Fire And Expl Hazrds: VAPOR IS HEAVIER THAN AIR. MAY TRAVEL LONG DISTANCES ALONG GROUND BEFORE IGNITING & FLASHING BACK TO VAPOR SOURCE. (SEE SUPP).

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Reactivity Data

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Stability: YES  
Cond To Avoid (Stability): HEAT, SPARKS, OPEN FLAME  
Materials To Avoid: STRONG OXIDIZERS  
Hazardous Decomp Products: CO, HYDROGEN CHLORIDE  
Hazardous Poly Occur: YES  
Conditions To Avoid (Poly): CATIONIC INITIATORS SUCH AS SELECTED LEWIS ACIDS/STRONG PROTON ACIDS.

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Health Hazard Data

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Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: YES  
Route Of Entry - Ingestion: YES  
Health Haz Acute And Chronic: MODERATELY TOXIC BY INHALATION, SKIN ABSORPTION & INGESTION: EYES/SKIN: IRRITATION. MAY AFFECT THE CNS.  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO  
Explanation Carcinogenicity: NONE  
Signs/Symptoms Of Overexp: IRRITATION, BLISTERING, COUGHING, SHORTNESS OF BREATH, DIZZINESS, COLLAPSE, INTOXICATION, BURNING SENSATION.  
Med Cond Aggravated By Exp: PRE-EXISTING DISORDERS.  
Emergency/First Aid Proc: INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. EYES: FLUSH W/WATER FOR 15-30 MINS. SKIN: WASH W/SOAP & WATER. INGESTION: GIVE LUKEWARM WATER IF CONSCIOUS, DON'T INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: ELIMINATE IGNITION SOURCES, FLAMES, PILOT LIGHTS, ELECTRIC MOTORS. ABSORB LIQUID ON RAGS. PAPER TOWELS/OTHER ABSORBENT MATERIAL. REMOVE OUTDOOR TO DRY/PLACE IN SEALED METAL CONTAINER. VENTILATE AREA.

Waste Disposal Method: DISPOSE OF IAW/LOCAL, STATE & FEDERAL REGULATIONS.

Precautions-Handling/Storing: STORE IN COOL AREA. KEEP AWAY FROM HEAT, SPARKS & OPEN FLAME.

Other Precautions: USE W/ADEQUATE VENTILATION.  
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Control Measures

Respiratory Protection: NOT NEEDED W/NORMAL USE.

Ventilation: LOCAL EXHAUST: IF NECESSARY. MECHANICAL (GENERAL): NORMALLY OKAY.

Protective Gloves: RUBBER

Eye Protection: SAFETY GLASSES

Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE..

Suppl. Safety & Health Data: UNUSUAL FIRE HAZARDS CONT'D: HEAT MAY BUILD UP PRESSURE & RUPTURE CLOSED CONTAINERS.  
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Transportation Data

Disposal Data

Label Data

Label Required: YES

Label Status: G

Common Name: UNIVERSAL CEMENT

Special Hazard Precautions: MODERATELY TOXIC BY INHALATION, SKIN

ABSORPTION & INGESTION: EYES/SKIN: IRRITATION. MAY AFFECT THE CNS.

IRRITATION, BLISTERING, COUGHING, SHORTNESS OF BREATH, DIZZINESS, COLLAPSE, INTOXICATION, BURNING SENSATION.

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