

7224 OAK BROWN, 8054969

MSDS Number

BSBMV

National Stock Number

7510-00N040641

Product Name

7224 OAK BROWN, 8054969

Manufacturer

MARKEM CORP

Product Identification

Product ID:7224 OAK BROWN, 8054969

MSDS Date:07/24/1991

FSC:7510

NIIN:00N040641

MSDS Number: BSBMV

Responsible Party

MARKEM CORP

150 CONGRESS ST

KEENE , NH 03431

US

Emergency Phone: 603-352-1130

Info Phone: 603-352-1130

Cage: DO804

Contractor

MARKEM CORPORATION

KEENE, NH 03431

US

603-352-1130

Cage: 38360

Ingredients

PHOSPHORIC ACID, TRIBUTYL ESTER; (TRIBUTYL PHOSPHATE)

CAS: 126-73-8

RTECS: TC7700000

Fraction By Weight: 20-50%

OSHA PEL0.2 PPM

ACGIH TLV: 0.2 PPM

HEXAHYDROPHthalic ANHYDRIDE

CAS: 85-42-7

Fraction By Weight: 0-5%

SILANE, 3-(2,3-EPOXYPROPOXY) PROPYLTRIMETHOXY-; (SILANE

CAS: 2530-83-8

RTECS: VV4025000

Fraction By Weight: 0-3%

29 CFR PART 1910.120 HAZARDOUS WASTE

RTECS: 9999999ZZ

RENDER THE RESULTING MATL HAZARDOUS. CONTACT

RTECS: 9999999ZZ

CONSULT 40 CFR PART 261 IDENTIFICATION AND LISTING

RTECS: 9999999ZZ

AND FOR CONTROLLING THE FIRE/EXPLOSION HAZARD.

RTECS: 9999999ZZ

IF THE EXISTING CONCENTRATIONS ARE WITHIN THE

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:EYES: IRRITATION, INFLAMMATION. SKIN: IRRITATION, DERMATITIS. INHAL: DIZZINESS, LOSS OF CONSCIOUSNESS, IRRITATION, SENSITIZER WITH ASTHMATOID EFFECTS, WHEEZING, COUGHING, SORE THROAT. INGEST: NAUSEA, VOMITING, ABDOMINAL PAIN.

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:EYES: FLUSH W/WATER FOR @ LST 15 MIN. CALL A PHYSICIAN IMMED. SKIN: WASH W/SOAP & WATER. LAUNDER CONTAM CLOTHING BEFORE REUSE. GET MED ATTN. INHAL:REMOVE TO FRESH AIR. ADMINISTER OXYGEN IF BREATHING I S DIFFICULT. BEGIN RESUSCITATION IF BRTHG HAS STOPPED. KEEP PERSON WARM & QUIET. GET MEDICAL ATTN. INGEST: DO NOT INDUCE VOMITING. GET MEDICAL ATTN IMMED. NOTE TO MD: TRIBUTYL PHOSPHATE (SUPP DATA)

Fire Fighting

Flash Point:>200F,>93C

Extinguishing Media:DRY CHEMICAL, CO*2.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND AND MAY BE IGNITED AT DISTANT LOCATIONS.

Accidental Release

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. ABSORB SPILLED MATL WITH VERMICULITE OR FLOOR ABSORBENT. DISPOSE OF CONTAM MATL PROPERLY. USE SAFETY GOGGLES OR GLASSES W/SIDE SHIELDS, APPROPRIATE NIOSH/MSHA APPROV ED MASK, & GLOVES. REFER TO OSHA (ING 4)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions: CNTNRS OF THESE MATLS MAY BE HAZARDOUS WHEN EMPTIED, SINCE EMPTIED CNTNRS RETAIN PROD RESIDUES WHICH CAN GENERATE VAPS WITHIN THE FLAMMABLE LIMITS.

Other Precautions: FOR FLAMM OR COMBUSTIBLE PRODS FOLLOW STORAGE & HANDLING GUIDELINES PRESENTED IN NFPA 30 FLAMMABLE & COMBUSTIBLE LIQUIDS CODE. THE USE OF A HAZARDOUS CHEMICAL MAY REQUIRE SUPPLEMENTAL VENTILATION FOR THE PROTECTION OF PERSONNEL (ING 7)

Exposure Controls

Respiratory Protection: SUFFICIENT TO MAINTAIN OPERATOR EXPOSURE BELOW APPLICABLE OCCUPATIONAL EXPOSURE STANDARDS. ENGINEERING OR ADMINISTRATIVE CONTROLS OR NIOSH/MSHA APPRVD RESPS CAN BE USED TO REDUCE EXPOSURE. ENGINEERING CONTROLS ARE PREFERRED BY OSHA.

Ventilation: SUFFICIENT TO MAINTAIN OPERATOR EXPOSURE BELOW APPLICABLE OCCUPATIONAL EXPOSURE STANDARDS.

Protective Gloves: CHEMICALLY RESISTANT GLOVES.

Eye Protection: SFTY GLSES W/SIDESHLDs OR GOGGS .

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIRST AID PROC: POSSESSES ONLY WEAK ANTICHOLINESTERASE ACTIVITY WHICH SHOULD NOT REQUIRE SPECIFIC TREATMENT. LARGE DOSES HAVE BEEN REPORTED TO CAUSE DYSPNEA, WEAKNESS, PULMONARY EDEMA, AND TWITCHING I N RATS. CHRONIC INHALATION OF LARGE DOSES CAN LEAD TO GENERAL POISONING WITH PARALYSIS.

Chemical Properties

Vapor Pres: VERY LOW

Evaporation Rate & Reference: VERY SLOW

Solubility in Water: NEGLIGIBLE

Appearance and Odor: LIQUID OR SEMI-SOLID INK AS COLOR ABOVE, MILD ODOR.

Percent Volatiles by Volume: APPROX

Stability

Stability Indicator/Materials to Avoid: YES

ACIDS AND BASES. WATER.

Stability Condition to Avoid: HEAT AND FLAME.

Hazardous Decomposition Products: CO, CO*2, SILICON OXIDES.

Disposal

Waste Disposal Methods: UNDER RCRA, IT IS THE RESPONSIBILITY OF THE GENERATOR OF THE WASTE TO DETERMINE, AT THE TIME OF DISPOSAL, WHETHER THE WASTE GENERATED MEETS THE FEDERAL OR STATE HAZAROUS WASTE CRITERIA. USES, TRANSFOR MATIONS, MIXTURES, PROCESSES, ETC. MAY (ING 5)

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 this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.