

DYNAMOLD, Inc.

MS-26/MS-26A MOLDABLE SHIM MATERIAL (Part "A" Base Material)

Material Safety Data Sheet

Quick Identifier, Common Name: (MS-26/MS-26A Moldable Shim)

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910, 1200. Standard must be consulted for specific requirements.

SECTION 1 - IDENTITY

FSCM No: 30256
DATE PREPARED: Revision 09/15/03
NAME: DYNAMOLD, INC
ADDRESS: 2905 SHAMROCK AVE., FORT WORTH, TEXAS 76107
TELEPHONE NUMBER: (817) 335-0862
FOR ADDITIONAL INFORMATION CONTACT: P. MICHAEL PECK
Chem Tel: 1 (-800-) 255-3924
COMMON NAME (USED ON LABEL): MS-26, MS-26A SERIES MOLDABLE SHIM MATERIAL (Part "A" Base)
CHEMICAL FAMILY: MIXTURE
CHEMICAL NAME: MIXTURE
TRADE NAME & SYNONYMS: MS-26, MS-26A SERIES MOLDABLE SHIM MATERIAL (Part "A" Base)
FORMULA: Mixture of Epoxy Resins, catalyst and inert mineral fillers. Ingredients of this mixture are included in the US TSCA Inventory

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT:	CAS #	% (VOL)	TLV	PEL
EPOXY NOVALAC RESIN	028064-14-4	<25%	NA	NA
Reaction products of Epichlorohydrin and Bisphenol "A" mixture	001675-54-3	<25%	NA	NA
SILICA	14808-60-7	<30%	NA	20 mg/m ³
ALUMINUM POWDER	7429-90-5	<10%	10 mg/m ³	15 mg/m ³
GLASS	65997-17-3	<10%	10 mg/m ³	None

THIS MATERIAL DOES NOT CONTAIN ASBESTOS

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA)

TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists

SECTION 3 - PHYSICAL DATA

BOILING POINT: > 500° deg. F
SPECIFIC GRAVITY (H₂O=1): 1.6
VAPOR PRESSURE (mm Hg): < 0.01mm
PERCENT VOLATILE BY VOLUME (%): NA
VAPOR DENSITY (AIR=1): NA
EVAPORATION RATE (butyl acetate=1): None
SOLUBILITY IN WATER: None
REACTIVITY IN WATER: Will not evolve flammable or toxic gases
APPEARANCE AND ODOR: Heavy mastic, gray in color. Epoxy resin odor

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: > 450° deg. F
FLAMMABLE LIMITS IN AIR (% by VOLUME): LOWER: NA UPPER: NA
EXTINGUISHING MEDIA: Dry chemical, CO₂, water spray, alcohol type foam, water fog
AUTO IGNITION TEMPERATURE: None
UNUSUAL FIRE AND EXPLOSION HAZARDS: DENSE SMOKE AND TOXIC GASES MAY BE LIBERATED
SPECIAL FIRE FIGHTING PROCEDURES: SELF CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES IN CONFINED AREA

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SECTION 5 - HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE:

Inhalation: Not considered a hazard at room temperature...remove to fresh air if affected.
Eyes: Irrigate and consult a physician
Skin: Wash with flowing water: consult a physician
Ingestion: Induce vomiting if large amounts are ingested, consult a physician

CHRONIC OVEREXPOSURE: Prolonged or repeated skin contact may cause drying, cracking or irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Disorders eyes or skin,

CHEMICAL / COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: None

EMERGENCY & FIRST AID PROCEDURES:

Inhalation: Not considered a hazard at room temperature...remove to fresh air if affected.
Eyes: Irrigate and consult a physician
Skin: Wash with flowing water, consult a physician
Ingestion: Induce vomiting if large amounts are ingested, consult a physician

SECTION 6 - REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Excess heating over long periods degrades material
INCOMPATIBILITY (Materials to avoid): Bases and strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: CO²
HAZARDOUS POLYMERIZATION: Will not occur

SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED:

Wear protective clothing, Utilize personal protective equipment. Soak up or scrape up spilled material and place in a labeled, sealed container. Remove residue with appropriate solvent (observe solvent flash point) . Cover slippery surfaces with granular solid.

WASTE DISPOSAL METHOD:

Dispose of in accordance with Federal, State and local regulations. (Burn in adequate incinerator, or bury in approved land fill.)

SECTION 8 - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None
VENTILATION: General
PROTECTIVE GLOVES: Impervious gloves to prevent skin contact.
EYE PROTECTION: Chemical splash goggles (ANSI Z87.1 1979)
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Aprons, boots, arm sleeves, head and face protection should be utilized to prevent skin contact.

THE INFORMATION CONTAINED WITHIN WAS OBTAINED FROM AUTHORITATIVE SOURCES AND IS BELIEVED TO BE ACCURATE FOR THE MANNER IN WHICH THE PRODUCT IS INTENDED TO BE USED. OTHER USES COULD RESULT IN CONSEQUENCES WHICH ARE NOT CONSIDERED WITHIN THIS DOCUMENT

DYNAMOLD, Inc.

MS-26/MS-26A MOLDABLE SHIM MATERIAL (Part "B" Catalyst)

Material Safety Data Sheet

Quick Identifier, Common Name: (MS-26/MS-26A Catalyst)

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910, 1200. Standard must be consulted for specific requirements.

SECTION 1 - IDENTITY

DATE PREPARED: 09/15/03
NAME: DYNAMOLD, INC
ADDRESS: 2905 SHAMROCK AVE., FORT WORTH, TEXAS 76107
TELEPHONE NUMBER: (817) 335-0862
FOR ADDITIONAL INFORMATION CONTACT: P. MICHAEL PECK
Chem Tel: 1 (-800-) 255-3924
COMMON NAME (USED ON LABEL): DMS-4-828 SERIES MOLDABLE SHIM MATERIAL PART "B" CATALYST
CHEMICAL FAMILY: MIXTURE
CHEMICAL NAME: MIXTURE
TRADE NAME & SYNONYMS: DMS-4-828 SERIES MOLDABLE SHIM MATERIAL PART "B" CATALYST

FORMULA:	CHEMICAL NAME	% WT.
	ALKYLAMINES	< 59%
	IMIDAZOLE	< 41%

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT:	CHEMICAL NAME	% WT.	CAS No.	PEL*	TLV*	Other
	ALKYLAMINES	< 59%	112-24-3	N/A	N/A	Non Carcinogenic
	IMIDAZOLE	< 41%	931-36-2	N/A	N/A	Non Carcinogenic

*PEL: Permissible exposure limit established by the Occupational Safety and Health Administration (OSHA)

**TLV: Threshold limit value established by the American Conference of Governmental Industrial Hygienists

SECTION 3 - PHYSICAL DATA

BOILING POINT: >525° deg F.
SPECIFIC GRAVITY: (H₂O=1) APPROXIMATELY .98
VAPOR PRESSURE: < 0.01mm Hg.
PERCENT VOLATILE BY VOLUME (%): N/A
VAPOR DENSITY (AIR=1): 5
EVAPORATION RATE (Ethyl Ether=1): NONE
SOLUBILITY IN WATER: COMPLETE
REACTIVITY IN WATER: WILL NOT EVOLVE FLAMMABLE OR TOXIC GASES
APPEARANCE AND ODOR: AMBER LIQUID WITH AMMONIACAL ODOR

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: > 300° F. (COC METHOD)
FLAMMABLE LIMITS IN AIR (% by VOLUME): LOWER: N/A UPPER: N/A
EXTINGUISHING MEDIA: DRY CHEMICAL, CO₂ WATER SPRAY.
AUTO IGNITION TEMPERATURE: > 640° F.
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE
SPECIAL FIRE FIGHTING PROCEDURES: SELF CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES IN CONFINED AREA
EXTINGUISHING MEDIA: DRY CHEMICAL, CO₂, WATER

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SECTION 5 - HEALTH INFORMATION

ACUTE:
PRIMARY ROUTES OF EXPOSURE: INHALATION, EYE, SKIN, INGESTION
INHALATION: EXCESSIVE INHALATION CAN CAUSE RESPIRATORY IRRITATION. REMOVE TO FRESH AIR AND ADMINISTER OXYGEN IF NEEDED, CONSULT PHYSICIAN
EYES: IN CASE OF CONTACT; FLUSH WITH WATER FOR 15 MINUTES, CONSULT PHYSICIAN
SKIN: REMOVE WITH DRY TOWEL, WASH WITH SOAP AND WATER, CONSULT PHYSICIAN
INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING, GIVE LARGE QUANTITIES OF MILK AND CONSULT PHYSICIAN

CHEMICAL / COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: NONE

EMERGENCY & FIRST AID PROCEDURES: SKIN; REMOVE WITH DRY TOWEL, WASH WITH SOAP AND WATER, CONSULT PHYSICIAN - EYES; FLUSH WITH WATER FOR 15 MINUTES, CONSULT PHYSICIAN INGESTION; DO NOT INDUCE VOMITING, GIVE LARGE QUANTITIES OF MILK AND CONSULT PHYSICIAN - INHALATION; REMOVE TO FRESH AIR AND ADMINISTER OXYGEN IF NEEDED, CONSULT PHYSICIAN

SECTION 6 - REACTIVITY DATA

STABILITY: STABLE
INCOMPATIBILITY (Materials to avoid): ACIDS, EPOXIDES, OXIDIZING AGENTS, ALDEHYDES, KETONES, ACRYLATES AND ORGANIC HALIDES
HAZARDOUS DECOMPOSITION PRODUCTS: IN FIRES: FUMES CONTAINING NITROGEN OXIDE AND CO² MAY BE RELEASED
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: EXCESS HEATING, SPARKS AND OPEN FLAMES

SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED: REMOVE IGNITION SOURCES, WEAR PROTECTIVE CLOTHING, GLOVES AND SAFETY GLASSES. SOAK UP SPILL WITH ABSORBING MATERIAL, FLUSH AREA WITH WATER AND COLLECT WASTE FOR DISPOSAL.
WASTE DISPOSAL METHOD: DISPOSE OF COLLECTED OR CONTAINED MATERIALS IN A SUITABLE CONTAINER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAW.

SECTION 8 - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NONE NEEDED WHEN GENERAL VENTILATION IS PROVIDED
VENTILATION: GENERAL
PROTECTIVE GLOVES: PLASTIC FILM OR RUBBER
EYE PROTECTION: SAFETY GLASSES
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: AS NEEDED TO PROTECT SKIN, EYES AND CLOTHING

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE IN COOL DRY AREA AWAY FROM HEAT OR OPEN FLAME
OTHER PRECAUTIONS: WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINERS CLOSED WHEN NOT IN USE

THE INFORMATION CONTAINED WITHIN WAS OBTAINED FROM AUTHORITATIVE SOURCES AND IS BELIEVED TO BE ACCURATE FOR THE MANNER IN WHICH THE PRODUCT IS INTENDED TO BE USED. OTHER USES COULD RESULT IN CONSEQUENCES WHICH ARE NOT CONSIDERED WITHIN THIS DOCUMENT