

# MATERIAL SAFETY DATA SHEET

219  
2/23/2001

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** MOULD FAST  
**IES PART NUMBER:** 219

**MANUFACTURER:** INTERNATIONAL EPOXIES & SEALERS  
**ADDRESS:** 30241 COMMERCE DRIVE  
SAN ANTONIO, FL 33576

**24 HOUR EMERGENCY PHONE :** ( INFOTRAC ) 800-535-5053

**INFORMATION PHONE:** : (800) 451-7206

**DATE PREPARED:** APRIL 1, 2000

**SECTION 1 NOTES:** This material safety data sheet complies with OSHA'S Hazard Communication Standard, 1910.1200. If any item is not applicable (N/A) or no information is available (N/I), the space is marked to indicate that.

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## SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

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**HAZZARD RATING:**-----**HEALTH:** 2-----**FIRE:** 3-----**REACTIVITY:** 0-----**PPI:** B

<b>INGREDIENT NAME:</b>	<b>CAS NO.</b>	<b>PERCENT</b>	
<u><b>TSCA</b></u>			
ACETONE	67-64-1	15-40	Y
LIGHT ALIPHATIC NAPHTHA	64742-89-8	10-30	Y
TOLUENE	108-88-3	10-30	Y
HEXANE	110-54-3	7-13	Y
CYCLOHEXANE	110-82-7	1-5	Y
AMMONIUM HYDROXIDE SOLUTION	1336-21-6	< 0.5	Y

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## SECTION 3: HAZARDS IDENTIFICATION / HEALTH HAZZARD DATA

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**PERMISSIBLE EXPOSURE LEVEL:** SEE SECTION 8.

**EFFECTS OF OVEREXPOSURE:**

**EYES:** May cause severe eye irritation and corneal damage.

**SKIN:** May cause dermatitis. May cause defatting and irritation of the skin.

**INGESTION:** Can cause gastrointestinal irritation, nausea and vomiting. Aspiration of material into the lungs may

Cause chemical pneumonitis, which can be fatal.

**INHALATION:** May cause nose or throat irritation. High concentrations may cause acute central nervous system depression characterized by headaches, dizziness, nausea and confusion.

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## SECTION 4: FIRST AID MEASURES

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**EYES:** Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention.

**SKIN:** Thoroughly wash exposed area with soap and water. Remove contaminated clothing and launder before using.

**INGESTION:** Do not induce vomiting, keep person warm, quiet and get medical attention (aspiration of this material into the lungs due to vomiting can cause chemical pneumonitis, which can be fatal ).

**INHALATION:** Remove individual too fresh air and if breathing is difficult, administer oxygen.

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## SECTION 5: FIRE-FIGHTING MEASURES

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**FLAMMABILITY :** IB

**FLASH RANGE :** < 0

**EXPLOSIVE RANGE :** 1.1% TO 12.8%

**EXTINGUISHING MEDIA:** Foam, dry chemical, carbon dioxide water spray or fog.

**SPECIAL FIRE FIGHTING PROCEDURES:** Avoid breathing smoke. Use air supplied rescue equipment for enclosed area. Water tends to spread burning liquid if large amounts are used.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Vapors are heavier than air and may travel to an ignition source distant from the material handling point.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE OR SPILL MEASURES:** Keep spectators away. Eliminate all ignition sources ( flames, hot surfaces and sources of electrical, static or frictional sparks ). Dike and contain spill with inert material (e.g. sand or earth ). Transfer liquids to covered metal containers for recovery or disposal, or remove with inert absorbent. Use only non- sparking tools. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams and ground water with spilled material or used absorbent.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with federal, state and local regulations.

## SECTION 7: HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Keep container closed when not in use. Store at 60° to 95° F and out of the sun. Use adequate ventilation to avoid breathing vapors when cover is removed. Ground all equipment when handling flammable solvent borne materials.

**OTHER PRECAUTIONS:** Containers may be hazardous when empty. Never use welding or cutting torch on or near drum (even when empty ).

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### OCCUPATIONAL EXPOSURE LIMITS:

	AGCIH TLV	AGCIH TLV-C	AGCIH STEL	OSHA STEL	OSHA PEL
ACETONE	500.00 PPM	N / EST	750.00 PPM	N / EST	1000.00 PPM
LIGHT ALIPHATIC NAPHTHA	100.00 PPM	N / EST	N / EST	N / EST	500.00 PPM
TOLUENE	50.00 PPM	N / EST	N / EST	N / EST	200.00 PPM
HEXANE	400.00 PPM	N / EST	500.00 PPM	N / EST	500.00 PPM
CYCLOHEXANE	200.00 PPM	N / EST	N / EST	N / EST	200.00 PPM
AMMONIUM HYDROXIDE SOLUTION	N / EST	N / EST	N / EST	N / EST	N / EST

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION (CON'T)

**RESPIRATORY PROTECTION:** If workplace exposure limit of product is exceeded, a NIOSH / MSHA

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approved air supplied respirator is advised in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.

**VENTILATION :** Provide sufficient mechanical ( general and / or local exhaust ) ventilation to maintain exposure below PEL.

**EYE PROTECTION:** Chemical splash goggles in compliance with OSHA regulations are advised.

**PROTECTIVE GLOVES:** Chemical resistant gloves.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** To prevent repeated, prolonged skin contact, wear impervious clothing and boots.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** Light yellow

**ODOR:** Solvent

**PHYSICAL STATE:** Thin Syrup

**BOILING RANGE:** 0.° F TO 315.° F

**SPECIFIC GRAVITY (H2O = 1):** 0.757

**EVAPORATION RATE:** Faster than n-Butyl Acetate

**PERCENT VOLATILE WEIGHT:** 80.04%

**PERCENT VOLATILE VOLUME:** Not Available

**VOLATILE ORGANIC COMPOUNDS (VOC):** 610.3 g/L

**WEIGHT / VOLUME MEASURE:** 6.8619

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## SECTION 10: STABILITY AND REACTIVITY

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**STABILITY:** This product is stable.

**CONDITIONS TO AVOID (STABILITY):** Fire, Sparks, Static Electricity.

**INCOMPATIBILITY (MATERIAL TO AVOID):** Strong Oxidizing Agents, Strong Acids and Bases.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Carbon Monoxide, Carbon Dioxide.

**HAZARDOUS POLYMERIZATION:** Will Not Occur.

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## SECTION 11: DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL METHOD:** Dispose of in accordance with federal, state and local regulations.

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## SECTION 12: TRANSPORT INFORMATION

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### U.S. DEPARTMENT OF TRANSPORTATION

**PROPER SHIPPING NAME:** Mold Fast ( IES # 219 ) adhesive

**HAZARD CLASS:** 3

**ID NUMBER:** UN -1133

**PACKING GROUP:** I I

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## SECTION 13: REGULATORY INFORMATION

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**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): 313 REPORTABLE INGREDIENTS:**

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This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to know act of 1986 and of 40 CFR 372:

<b>Ingredient Name</b>	<b>CAS Number</b>	<b>Percent</b>
TOLUENE	108-88-3	10 – 30
HEXANE	110-54-3	7 – 13
CYCLOHEXANE	110-82-7	1 – 5

## STATE REGULATIONS:

Prop 65 (TERATOGEN) WARNING: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

<b>Ingredient Name</b>	<b>CAS Number</b>	<b>Percent</b>
TOLUENE	108-88-3	10 – 30

## U.S. FEDERAL REGULATIONS

### TSCA (TOXIC SUBSTANCE CONTROL ACT):

The following ingredients are registered for TSCA 12B

<b>Ingredient Name</b>	<b>CAS Number</b>	<b>Percent</b>
ACETONE	67-64-1	15 – 40
HEXANE	110-54-3	7 – 13
CYCLOHEXANE	110-82-7	1 – 5

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## SECTION 14: OTHER INFORMATION

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