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23390

pg. 1

Material Safety Data Sheet

For Medical Emergencies call: 1-800-328-5274 (For Customers, ext. 287 for Employees ext. 288)
For Transport/Spill Emergencies call: Chemtrec 1-800-424-9300 (USA) or 1-202-483-7616 (Outside USA)

Effective Date: 12-03-1998
Supercedes: 09-14-1998

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I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS ID 08-7354-7
ITEM NUMBER 74050055776, 98044004400, 98044004418, 98044004426
PRODUCT NAME IMATION FAN-OUT PADDING ADHESIVE

BUSINESS UNIT: SPECIALTY PAPER PRODUCTS - 1-800-328-1303

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS Number	% Range
WATER	7732-18-5	45 - 55
ISOPROPYL ALCOHOL	67-63-0	20 - 30
ACRYLIC POLYMER LATEX	Proprietary	15 - 25
SORBITOL	50-70-4	0.1 - 3
FORMALDEHYDE	50-00-0	< 0.02

23390

III. HAZARDS IDENTIFICATION

Potential Health Effects

Eyes: Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

Skin Contact: Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

Ingestion: Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.
Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue, blurred vision, slurred speech, giddiness, tremors and convulsions.

23390

28-2

Inhalation: Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness. Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

Other Toxicology Information: WARNING: Contains a chemical which can cause cancer. (50-00-0) (NTP anticipated human carcinogen, ACGIH suspected human carcinogen A2, IARC probable human carcinogen 2A, OSHA listed carcinogen, Calif. Proposition 65)

IV. FIRST AID

Eyes: Immediately flush eyes with large amounts of water. Get immediate medical attention.

Skin Contact: Flush skin with large amounts of water. If irritation persists, get medical attention.

Ingestion: Do not induce vomiting. Drink two glasses of water. Call a physician.

Inhalation: Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

V. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT:	UPPER FLAMMABLE LIMIT:	LOWER FLAMMABLE	AUTOIGNITION TEMPERATURE:
TCC 75 F	N/D	LIMIT:	N/D
		N/D	

EXTINGUISHING MEDIA:	Water spray, Carbon dioxide, Dry chemical, Alcohol-type foam
SPECIAL FIRE FIGHTING PROCEDURES:	Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers exposed to heat from fire may build pressure and explode.
Vapors may travel long distances along the ground or floor to an ignition source and flash back.

NFPA HAZARD CODES:

HEALTH:	1
FIRE:	3
REACTIVITY:	0
UNUSUAL REACTION HAZARD:	none

VI. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES: Observe precautions from other sections. Ventilate area. Extinguish all ignition sources. Contain spill. Evacuate unprotected personnel from hazard area. Cover with absorbent material. Cover spill area with Light Water Brand or other ATC foam. Collect using non-sparking tools. Clean up residue with water. Place in an approved metal container and seal. Seal the container.

VII. HANDLING AND STORAGE

RECOMMENDED STORAGE: Store in a cool place. Store away from acids. Keep away from aluminum and zinc. Keep container in well-ventilated area. Keep out of the reach of children.

**FIRE AND EXPLOSION
AVOIDANCE:**

Keep container tightly closed. Flammable liquid and vapor. Keep away from heat, sparks, open flame, and other sources of ignition. No smoking while handling this material.

VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION**PERSONAL PROTECTIVE EQUIPMENT:****EYE PROTECTION:**

Avoid eye contact., Wear unvented goggles during operations in which exposure is likely.

SKIN PROTECTION:

Avoid skin contact., Wear appropriate gloves when handling this material., A pair of gloves made from the following material(s) are recommended:, butyl rubber

RESPIRATORY PROTECTION:

Avoid prolonged breathing of spray or mists.

**PREVENTION OF ACCIDENTAL
INGESTION:**

Wash hands after handling and before eating. Do not ingest.

RECOMMENDED VENTILATION:

Use with appropriate local exhaust ventilation. Provide sufficient ventilation to maintain emissions below recommended exposure limits.

ACGIH Exposure Limits:

ISOPROPYL ALCOHOL

TWA 400 PPM

ISOPROPYL ALCOHOL

TWA 985 MG/M3

ISOPROPYL ALCOHOL

STEL 500 PPM

ISOPROPYL ALCOHOL

STEL 1230 MG/M3

ACGIH Exposure Limits:

FORMALDEHYDE

CEIL 0.3 PPM

FORMALDEHYDE

CEIL 0.37 MG/M3

OSHA Exposure Limits:

ISOPROPYL ALCOHOL

TWA 400 PPM

ISOPROPYL ALCOHOL

TWA 980 MG/M3

ISOPROPYL ALCOHOL

STEL 500 PPM

ISOPROPYL ALCOHOL

STEL 1225 MG/M3

OSHA Exposure Limits:

FORMALDEHYDE

TWA 1 PPM

FORMALDEHYDE

STEL 2 PPM

FORMALDEHYDE

TWA 0.5 PPM

IX. PHYSICAL DATA**APPEARANCE AND ODOR:**

Liquid

emulsion milky white, slight alcohol odor

pH:

4 - 5

VAPOR PRESSURE:

N/D

VAPOR DENSITY:

N/D

BOILING POINT:

ca. 176 F

MELTING POINT:

N/D

SOLUBILITY IN WATER:

appreciable

SPECIFIC GRAVITY: 0.99 Water=1
EVAPORATION RATE: < 1.00 Toluene=1
VISCOSITY: 20 - 50 centipoise
PERCENT VOLATILE: ca. 82 % by wt

23390

78.4

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable
HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.
INCOMPATIBLE MATERIALS: Strong Acids, Strong Oxidizing Agents, Heat, Sparks and/or Flames
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide and Carbon Dioxide

XI. TOXICOLOGICAL INFORMATION

EYE HAZARD: Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN HAZARD: Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

INGESTION HAZARD: Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.
Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue, blurred vision, slurred speech, giddiness, tremors and convulsions.

INHALATION HAZARD: Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.
Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

OTHER HEALTH HAZARD INFORMATION: WARNING: Contains a chemical which can cause cancer. (50-00-0) (NTP anticipated human carcinogen, ACGIH suspected human carcinogen A2, IARC probable human carcinogen 2A, OSHA listed carcinogen, Calif. Proposition 65)

XII. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not determined.

XIII. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS: Incinerate in a permitted hazardous waste incinerator. Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity. U.S. EPA Hazardous Waste Number = D001 (Ignitable)

XIV. TRANSPORTATION INFORMATION

FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC AT 800-424-9300.

For transportation information call the general information number for Imation Enterprises Corp or the Business Unit number listed on page one of this MSDS document.

XV. REGULATORY INFORMATION

23390

pg. 5

EPCRA HAZARD CLASS:

FIRE HAZARD

PRESSURE

REACTIVITY

ACUTE

CHRONIC

Yes:

No

No

Yes

Yes

Volatile Organic Compounds: 20 - 30 %

VOC Less H2O & Exempt Solvents: N/D

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR Part 372:

FORMALDEHYDE

XVI. ADDITIONAL INFORMATION

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