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## Material Safety Data Sheet

**For Medical Emergencies call: 1-800-328-5274**

**For Transport/Spill Emergencies call: Chemtrec 1-800-424-9300 (USA) or 1-202-483-7616 (Outside USA)**

Effective Date: 04-10-2002

Supercedes: None

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### I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MSDS ID** 21-0952-8  
**ITEM NUMBER** 66000044710, 66000044728, 66000044736  
**PRODUCT NAME** IMATION OFFSET FAN-OUT PADDING ADHESIVE

**BUSINESS UNIT:** SPECIALTY PAPER PRODUCTS - 1-800-998-9396

### II. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS Number	% Range
WATER	7732-18-5	40 - 65
ACRYLIC POLYMER LATEX *		25 - 40
ETHYL ALCOHOL	64-17-5	10 - 25
ISOPROPYL ALCOHOL	67-63-0	1 - 5
POLYHYDRIC ALCOHOL	50-70-4	1 - 5
ETHYL ACRYLATE	140-88-5	<0.1
FORMALDEHYDE	50-00-0	<0.1

### III. HAZARDS IDENTIFICATION

#### Potential Health Effects

**Eyes:** Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

**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.

**Inhalation:** No adverse health effects are expected from inhalation exposure.  
In a study conducted by 3M Industrial Hygiene Services, vapor emissions from this product under simulated conditions of use were found to be well below recommended exposure limits as 8-hour time-weighted averages (IH Rpt. No. R-235-92-0)

**Other Toxicology Information:** WARNING: Contains a chemical which can cause cancer. (140-88-5) (NTP anticipated human carcinogen, IARC possible human carcinogen 2B, Calif. Proposition 65)  
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:** 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: TCC =81 F    UPPER FLAMMABLE LIMIT: N/D    LOWER FLAMMABLE LIMIT: N/D    AUTOIGNITION TEMPERATURE: N/D

**EXTINGUISHING MEDIA:** Carbon Dioxide, Foam, Dry Chemical

**SPECIAL FIRE FIGHTING PROCEDURES:** N/A

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** N/A

##### NFPA HAZARD CODES:

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

**OSHA FIRE HAZARD CLASS:** Class IC Flammable Liquid

#### VI. ACCIDENTAL RELEASE MEASURES

**SPILL PROCEDURES:** Observe all precautions in Section 7. Extinguish all ignition sources. Collect spilled material, clean up residue and place in Dept. of Transportation approved container. Use absorbent material as needed in cleanup procedure.

#### VII. HANDLING AND STORAGE

**RECOMMENDED STORAGE:** Store in a cool place.

**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.

<b>SKIN PROTECTION:</b>	Avoid skin contact.
<b>RESPIRATORY PROTECTION:</b>	Not applicable.
<b>PREVENTION OF ACCIDENTAL INGESTION:</b>	Wash hands after handling and before eating.
<b>RECOMMENDED VENTILATION:</b>	Provide sufficient ventilation to maintain emissions below recommended exposure limits.

**ACGIH Exposure Limits:**

ETHYL ALCOHOL (ETHANOL)	TWA1000 PPM
ETHYL ALCOHOL (ETHANOL)	TWA1880 MG/M3

**ACGIH Exposure Limits:**

ISOPROPYL ALCOHOL	TWA400 PPM
ISOPROPYL ALCOHOL	TWA985 MG/M3
ISOPROPYL ALCOHOL	STEL500 PPM
ISOPROPYL ALCOHOL	STEL1230 MG/M3

**ACGIH Exposure Limits:**

ETHYL ACRYLATE	TWA (Skin Notation)5 PPM
ETHYL ACRYLATE	TWA (Skin Notation)20 MG/M3
ETHYL ACRYLATE	STEL (Skin Notation)15 PPM
ETHYL ACRYLATE	STEL (Skin Notation)61 MG/M3

**ACGIH Exposure Limits:**

FORMALDEHYDE	CEIL0.3 PPM
FORMALDEHYDE	CEIL0.37 MG/M3

**OSHA Exposure Limits:**

ETHYL ALCOHOL (ETHANOL)	TWA1000 PPM
ETHYL ALCOHOL (ETHANOL)	TWA1900 MG/M3

**OSHA Exposure Limits:**

ISOPROPYL ALCOHOL	TWA400 PPM
ISOPROPYL ALCOHOL	TWA980 MG/M3
ISOPROPYL ALCOHOL	STEL500 PPM
ISOPROPYL ALCOHOL	STEL1225 MG/M3

**OSHA Exposure Limits:**

ETHYL ACRYLATE	TWA (Skin Notation)5 PPM
ETHYL ACRYLATE	TWA (Skin Notation)20 MG/M3
ETHYL ACRYLATE	STEL (Skin Notation)25 PPM
ETHYL ACRYLATE	STEL (Skin Notation)100 MG/M3

**OSHA Exposure Limits:**

FORMALDEHYDE	TWA1 PPM
FORMALDEHYDE	STEL2 PPM
FORMALDEHYDE	TWA0.5 PPM

## IX. PHYSICAL DATA

APPEARANCE AND ODOR:	emulsion milky white, slight alcohol odor
pH:	3 - 5 N/A
VAPOR PRESSURE:	VP of VOC @ 20 C ca.3.8 mmHg
VAPOR DENSITY:	N/D
BOILING POINT:	=185 F

MELTING POINT: N/D  
SOLUBILITY IN WATER: appreciable  
SPECIFIC GRAVITY: =0.98 g/cc  
EVAPORATION RATE: <1 Toluene=1  
VISCOSITY: 3 - 9 centipoise  
PERCENT VOLATILE: =84 % by wt

## X. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable  
**HAZARDOUS POLYMERIZATION:** Hazardous polymerization will not occur.  
**INCOMPATIBLE MATERIALS:** N/D  
**HAZARDOUS DECOMPOSITION PRODUCTS:** N/D

## XI. TOXICOLOGICAL INFORMATION

**EYE HAZARD:** Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

**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.

**SECONDARY HAZARD:** Blood disorders: signs/symptoms can include prolonged weakness and fatigue.  
Anemia (decreased number of red blood cells or amount of hemoglobin): signs/symptoms can include prolonged weakness and fatigue.  
Low Blood Pressure: signs/symptoms can include dizziness and fainting.  
Blindness.  
Gonad Disorders: signs/symptoms can include loss of fertility, shrinkage in gonad size, sex characteristic changes.  
Pancreatic Disorders: signs/symptoms can include unusual thirst and weight changes.  
Arrhythmia: signs/symptoms can include palpitations, pounding or an irregular heart beat.  
Heart Effects: signs/symptoms can include arrhythmia, heart attack and death.  
Kidney Effects: signs/symptoms can include reduced urine volume, blood in urine and back pain.  
Liver Effects: signs/symptoms can include yellow skin(jaundice) and tenderness of upper abdomen.  
Central Neuropathy: signs/symptoms can include dizziness, incoordination, visual changes, emotional changes, tremors and convulsions.

**INHALATION HAZARD:** No adverse health effects are expected from inhalation exposure.  
In a study conducted by 3M Industrial Hygiene Services, vapor emissions from this product under simulated conditions of use were found to be well below recommended exposure limits as 8-hour time-weighted averages (IH Rpt. No. R-235-92-0)

**SECONDARY HAZARD:** Blood disorders: signs/symptoms can include prolonged weakness and fatigue.  
 Arrhythmia: signs/symptoms can include palpitations, pounding, or irregular pulse.  
 Heart Effects: signs/symptoms can include arrhythmia, heart attack and death.  
 Kidney Effects: signs/symptoms can include reduced urine volume, blood in urine and back pain.  
 Liver Effects: signs/symptoms can include yellow skin(jaundice) and tenderness of upper abdomen.  
 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. (140-88-5) (NTP anticipated human carcinogen, IARC possible human carcinogen 2B, Calif. Proposition 65)  
**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:** U. S. EPA Hazardous Waste Number: D001 (ignitable)

**XIII. DISPOSAL CONSIDERATIONS**

**DISPOSAL CONSIDERATIONS:** Reclamation or incineration in a permitted hazardous waste facility capable of meeting applicable regulatory requirements for destruction and removal is preferred. Otherwise dispose in accordance with applicable regulations.

**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**

**EPCRA HAZARD CLASS:**

<b>FIRE HAZARD</b>	<b>PRESSURE</b>	<b>REACTIVITY</b>	<b>ACUTE</b>	<b>CHRONIC</b>
Yes	No	No	Yes	Yes

**Volatile Organic Compounds:** ca.210 gms/liter

**VOC Less H2O & Exempt Solvents:** ca.565 gms/liter

**XVI. ADDITIONAL INFORMATION**

initial issue

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