

**MATERIAL SAFETY DATA SHEET**
**3M (TM) LOW MIST PHOTOMOUNT (UK-9479)**

Revision Date:09/08/2005

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING**

- 1.1. PRODUCTS IDENTIFICATION:** 3M (TM) Low Mist Photomount (UK-9479)
- 1.2. USE OF SUBSTANCE:** An adhesive which provides a permanent bond for the mounting of photographs, maps, prints and drawings.
- 1.3. COMPANY:**
- |                                |                |
|--------------------------------|----------------|
| 3M UK Plc                      | 3M Ireland     |
| 3M Centre                      | 3M House       |
| Cain Road                      | Adelphi Centre |
| Bracknall                      | Dun Laoghaire  |
| Berkshire                      | Co. Dublin     |
| RG12 8HT                       |                |
| Telephone Number: 01344 858000 |                |
| e-mail: tox.uk@mmm.com         |                |
- 1.4. EMERGENCY TELEPHONE: 01344 858000**

**2. HAZARDS IDENTIFICATION**
**Critical hazards:**

Extremely flammable. Dangerous to environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient Name	CAS Number	Percentage	EU Classification
Propane	74-98-6	25-30%	EU Hazard Symbols and Risk Phrases: EU - Adaptation 21 (F+; R:12)
Pentane	109-66-0	10-30%	EU Hazard Symbols and Risk Phrases: EU - Adaptation 25 (F+,N, Xn; R:12-51-53-65-66-67)
Non Volatile Components		10-20%	
Naphtha (Petroleum), Light Dearomatized	92045-53-9	5-15%	EU Hazard Symbols and Risk Phrases: EU - Adaptation 22 (T; R;Carc.Cat.2;45-65) EU - Additional Vendor Classification(N; R:51/53)
Acetone	67-64-1	7-13%	EU Hazard Symbols and Risk Phrases: EU - Adaptation 25 (F,Xi; R:11-36-66-67)
Hydrotreated Light Naphtha (Petroleum)	64742-49-0	5-10%	EU Hazard Symbols and Risk Phrases: EU - Adaptation 22 (T; R;Carc.Cat.2;45-65) EU - Additional Vendor Classification(F,Xi, N; R:11-38-51/53-67)
C8 Isoparaffinic Hydrocarbon	90622-56-3	3-7%	EU Hazard Symbols and Risk Phrases: EU - Vendor Classified (N; R:51/53)
Isopentane	78-78-7	3-7%	EU Hazard Symbols and Risk Phrases: EU - Adaptation 25 (F+,N, Xn; R:12-51-53-65-66-67)
N-Hexane	110-54-3	Less than 0.5%	EU Hazard Symbols and Risk Phrases: EU - Adaptation 29 (F,Xi, Xn,N; R:11-38-48/20-51/53-Repr.Cat.3;62-65-67)
Toluene	108-88-3	Less than 0.02%	EU Hazard Symbols and Risk Phrases: EU - Adaptation 29 (F,Xi, Xn; R:11-38-48/20-Repr.Cat.3;63-65-67)

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**4. FIRST-AID MEASURES****Inhalation:**

Remove person to fresh air. If signs/symptoms develop, get medical attention.

**Eye Contact:**

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

**Skin Contact:**

Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

**Ingestion:**

Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media:**

Use fire extinguishers with class B extinguishing agents (e.g. dry chemical, carbon dioxide).

**Exposure Hazards:**

Vapours may travel long distances along the ground or floor to an ignition source and flash back.

**Hazardous Decomposition:**

Aldehydes during Combustion. Hydrocarbons - During Combustion. Carbon monoxide - During Combustion. Carbon dioxide – during combustion. Ketones - During Combustion

**Fire-Fighting Procedures:**

Wear full protective equipment and a self-contained breathing apparatus.

**Special Instructions:**

Aerosol container contains flammable material under pressure.

**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions:**

Refer to other sections of this Material Safety Data Sheet for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

**Methods for Cleaning up:**

Evacuate unprotected and untrained personnel from hazard area.

The spill should be cleaned up by qualified personnel. Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools.

Ventilate the area with fresh air. If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available.

Clean up residue. Dispose of collected material as soon as possible.

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**7. HANDLING AND STORAGE****Incompatible Materials/Conditions:**

Store away from acids.  
Store away from heat.  
Store out of direct sunlight.

**Fire Prevention:**

No smoking while handling this material. Aerosol container contains flammable gas under pressure.  
Extremely flammable liquid and vapour.

**Explosion Prevention:**

Keep away from heat, sparks, open flame, pilot lights and other sources of ignition.

**Precautions for Safe Handling:**

Please observe other sections of this MSDS.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Eye Protection:**

Avoid eye contact with vapours, mists, or spray. Indirect vented goggles. Safety glasses with side shields. The following should be worn alone or in combination, as appropriate, to prevent eye contact:

**Hand Protection:**

The following glove material(s) are recommended: Polyethylene/ethylene vinyl alcohol.

**Skin Protection:**

Avoid skin contact.

**Respiratory Protection:**

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations: Half face piece or full face air-purifying respirator with organic vapour cartridges.

**Ingestion:**

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep out of the reach of children.

**Recommended Ventilation:**

Use with appropriate local exhaust ventilation. Use with functioning spray booth or local exhaust. Use in a well-ventilated area. If exhaust ventilation is not available, use appropriate respiratory protection. Do not use in a confined area or areas with little or no air movement. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapour, or spray. If ventilation is not adequate, use respiratory protection equipment.

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**Exposure Limits:**

PROPANE (74-98-6)

HSE WEL TWA: Asphyxiant OES

PENTANE (109-66-0)

HSE WEL TWA: 600 ppm; 1800 mg/m<sup>3</sup> OESHSE WEL STEL: 750 ppm; 2250 mg/m<sup>3</sup> OES

ACETONE (67-64-1)

HSE WEL TWA: 500 ppm; 1210 mg/m<sup>3</sup> OESHSE WEL STEL: 1500 ppm; 3620 mg/m<sup>3</sup> OES

ISOPENTANE (78-78-4)

HSE WEL TWA: 600 ppm; 1800 mg/m<sup>3</sup> OESHSE WEL STEL: 750 ppm; 2250 mg/m<sup>3</sup> OES

N-HEXANE (110-54-3)

HSE WEL TWA: 20 ppm; 72 mg/m<sup>3</sup> OES

TOLUENE (108-88-3)

HSE WEL TWA: 50 ppm; 191 mg/m<sup>3</sup> skin OESHSE WEL STEL: 150 ppm; 574 mg/m<sup>3</sup> skin OES**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance and Odour:</b>	Gas. Liquid in aerosol container, cream/white, mild solvent odour.
<b>pH:</b>	Not applicable
<b>Boiling point/boiling range:</b>	Not determined
<b>Melting point/melting range:</b>	Not determined
<b>Flash point:</b>	- 47 C
<b>Autoflammability:</b>	Not determined
<b>Vapour pressure:</b>	Not determined
<b>Water Solubility:</b>	Negligible
<b>Specific gravity:</b>	0.6, Water=1
<b>Vapour density:</b>	1, Air=1
<b>Volatile organic compounds:</b>	Not determined
<b>Evaporation rate:</b>	Not determined
<b>Viscosity:</b>	Not determined
<b>Percent Volatile:</b>	Approximately 85 %

**10. STABILITY AND REACTIVITY****Conditions to Avoid:**

Heat.

**Materials to Avoid:**

None known.

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**Hazardous Decomposition:**

Stable. Hazardous polymerisation will not occur.

**11. TOXICOLOGICAL INFORMATION****Effects from Eye Contact:**

Mild Eye Irritation: Signs/symptoms may include redness, swelling, pain and tearing.

**Effects from Skin Contact:**

May be absorbed through skin and cause target organ effects.

Mild Skin Irritation: signs/symptoms may include localized redness, swelling, and itching.

**Effects from Inhalation:**

May be absorbed following inhalation and cause target organ effects. Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Intentional concentration and inhalation may be harmful or fatal.

**Effects from Ingestion:**

May be absorbed following ingestion and cause target organ effects. Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**Reproductive Effects:**

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

**Other Effects and Information:**

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness. Prolonged or repeated exposure may cause: Peripheral Neuropathy: Signs/symptoms may include tingling or numbness of the extremities, incoordination, weakness of the hands and feet, tremors and muscle atrophy.

**12. ECOLOGICAL INFORMATION****Ecotoxicity Data:**

Not determined.

**Ecofate Data:**

Not determined.

**Special statements for 2001/58/EC:**

One or more components of this product have significant known or predicted environmental hazards, but a conservative assessment indicates a low environmental risk. Intended use and proper disposal are unlikely to cause the environmentally hazardous component(s) to enter the environment in quantities or by routes that could cause the adverse environmental impacts.

**Other Effects and Information:**

Product usages, or other lifecycle stages, are expected to release volatile organic compounds (VOCs) to the atmosphere. Regulations may restrict the release of VOCs because they contribute to the formation of ozone and smog. Regulatory definitions for VOC vary. Because of smog and other impacts, releases through evaporation or other means should be minimised to the extent possible.

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**13. DISPOSAL CONSIDERATIONS****Product as Sold:**

Incinerate in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility. Facility must be capable of handling aerosol cans. Dispose of empty product containers in a sanitary landfill.

**Special Instructions:**

Since regulations vary, consult applicable regulations or authorities before disposal.

**14. TRANSPORT INFORMATION****UN NUMBER:**

UN Number: UN1950

**UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:**

Substance Identification Number: UN1950  
Class: 2.0  
Packing Group: Not applicable  
Proper Shipping Name: Aerosols

**ADR/RID CLASSIFICATION:**

Class: 2.0  
ADR classification: 5F

**ICAO/IATA CLASSIFICATION:**

Class: 2.1  
Sub-Risk: Not applicable  
Packing Group: Not applicable  
Proper Shipping Name: Aerosols Flammable

**15. REGULATORY INFORMATION****Disclosable Ingredients:**

PENTANE; NAPHTHA (PETROLEUM), LIGHT, DEAROMATISED

**Symbol(s):**

**F+** Flame (Extremely flammable)  
**N** Dangerous to environment.

**Risk Phrases:**

**R12** Extremely flammable.  
**R66** Repeated exposure may cause skin dryness or cracking.  
**R67** Vapours may cause drowsiness and dizziness.  
**R51/53** Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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**Safety Phrases:**

WARNING! Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 degrees C. Do not pierce or burn, even after use. Do not spray on a naked flame or incandescent material. Keep away from sources of ignition including pilot lights and sparks. No smoking. Use only in well ventilated areas. Do not breathe vapour or spray. Avoid contact with the skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water. Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets. Keep out of the reach of children.

**16. OTHER INFORMATION****Regulatory Information:**

The following UK Regulations as amended may affect the product as supplied: The Chemicals (Hazard Information and Packaging for supply) Regulations, as amended. The Carriage of Dangerous Goods (Classification, Packaging and Labelling) and use of Transportable Pressure Receptacles Regulations 1996, as amended. Carriage of Dangerous Goods by Road regulations, 1996, as amended. The Control of Substances Hazardous to Health Regulations 1999 as amended. The Special Waste Regulations 1996, as amended. The Environmental Protection Act, 1990 The Health and Safety at Work Act, 1974.

The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.