

3M United Kingdom PLC.
3M House, PO Box 1,
Bracknell, Berkshire, RG12 1JU.

386 3M DISPLAYMOUNT 400ml.

Switchboard: Bracknell (01344) 858000
Facsimile: Bracknell (01344) 858278 Telex: 849371
Telegraphic Address: Minnesota Bracknell



3M UK PLC
3M HOUSE, PO BOX 1, MARKET PLACE,
BRACKNELL, BERKSHIRE RG12 1JU
Tel: 01344 858000

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MATERIAL SAFETY DATA SHEET

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: : 1

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:
3M (TM) LOW MIST DISPLAYMOUNT (UK-9478)

3M Product ID:
GS-2000-2598-8

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
ALIPHATIC PETROLEUM DISTILLATE (BP 60-95 DEG. C)	---	30.0 - 35.0
CYCLOHEXANE (F; R:11)	110-82-7	7.0 - 13.0
PROPANE (F+; R:12)	74-98-6	7.0 - 13.0
DIMETHYL ETHER (F+; R:12)	115-10-6	7.0 - 13.0
BUTANE (F+; R:12)	106-97-8	7.0 - 13.0
BUTADIENE-STYRENE-META-DIVINYLBENZENE POLYMER	26471-45-4	7.0 - 13.0
GLYCEROL ESTER OF HYDROGENATED ROSIN	65997-13-9	5.0 - 10.0
2-PINENE POLYMER	---	5.0 - 10.0

3 HAZARDS IDENTIFICATION

Critical hazards: Extremely flammable. Vapours may
ignite explosively. May be
harmful if inhaled. May cause
eye irritation.

4 FIRST-AID MEASURES

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Page 2 of 7

Eye Contact:

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.

Inhalation:

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

Ingestion:

Do not induce vomiting. Drink two glasses of water. Call a medical doctor.

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Water spray. Carbon dioxide. Dry chemical. Foam.

Exposure Hazards:

Closed containers exposed to heat from fire may build pressure and explode. Vapours may travel long distances along the ground or floor to an ignition source and flash back.

Combustion Products:

Carbon Monoxide and Carbon Dioxide. Aldehydes. Ketones. Hydrocarbons.

Fire-Fighting Procedures:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, tunic and trousers (leggings), bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head. Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Observe precautions from other sections.

Environmental Precautions:

Methods for Cleaning up:

Ventilate area. Extinguish all ignition sources. Cover with absorbent material. Collect using non-sparking tools. Place in a suitable metal container and seal.

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Page 3 of 7

7 HANDLING AND STORAGE

Precautions for Safe Storage:

Store at temperatures below 49 C.

Fire Prevention:

Aerosol container contains flammable gas under pressure.
Extremely flammable liquid and vapour.

Explosion Prevention:

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

Static Prevention:

Avoid static discharge.

Precautions for Safe Handling:

Do not pierce or burn container, even after use.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Avoid eye contact with vapour, spray, or mist. Wear vented goggles or safety glasses with side shields.

Hand Protection:

Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended:
Nitrile rubber, Polyethylene/ethylene vinyl alcohol, Polyvinyl alcohol or Polytetrafluoroethylene (Teflon); Fluoroelastomer.

Skin Protection:

Avoid prolonged or repeated skin contact.

Respiratory Protection:

Avoid inhalation of vapours, mists or spray. Select the following respirator based on airborne concentration of contaminants and in accordance with national regulations:
half-mask organic vapour respirator,

Ingestion:

Do not ingest. Keep out of reach of children.

Recommended Ventilation:

Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

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Exposure Limits:

CYCLOHEXANE (F; R:11) (110-82-7)

UK HSE TWA

: 100 ppm; 340 mg/m³ OES

UK HSE STEL

: 300 ppm; 1030 mg/m³ OES

PROPANE (F+; R:12) (74-98-6)

UK HSE TWA: Asphyxiant OES

DIMETHYL ETHER (F+; R:12) (115-10-6)

CMRG TWA Exposure Limit: 1000 ppm

BUTANE (F+; R:12) (106-97-8)

UK HSE TWA: 600 ppm; 1430 mg/m³ OES

UK HSE STEL: 750 ppm; 1780 mg/m³ OES

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	White cream coloured liquid in a aerosol container with a mild odour.
pH:	Not applicable
Boiling point/boiling range:	Not applicable
Melting point/melting range:	Not determined
Flash point:	-45.00 C Propellant
Autoflammability:	Not determined
Vapour pressure:	Not applicable
Water Solubility:	Nil
Specific gravity:	Approximately 0.7 Water=1
Vapour density:	Not determined
Volatile organic compounds:	Approximately 75 %
Evaporation rate:	Not determined
Viscosity:	Not applicable

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Page 5 of 7

Other data: Percent volatile: Approx 75%

10 STABILITY AND REACTIVITY

Conditions to Avoid:
Heat.

Materials to Avoid:

Hazardous Decomposition:
Stable. Hazardous polymerisation will not occur.

11 TOXICOLOGICAL INFORMATION

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

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

Effects from Inhalation:
Intentional concentration and inhalation may be harmful or fatal. 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.

Effects from Ingestion:
Ingestion is not a likely route of exposure to this product.

12 ECOLOGICAL INFORMATION

Ecotoxicity Data:

13 DISPOSAL CONSIDERATIONS

Special Instructions:
Incinerate in a facility licenced to handle hazardous waste and in the presence of a combustible material. Facility must be capable of handling aerosol cans. Dispose of empty cans in a landfill/waste disposal site. Dispose of completely absorbed waste product in a facility permitted to accept chemical wastes. Since regulations vary, consult applicable regulations or authorities before disposal.

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Page 6 of 7

14 TRANSPORT INFORMATION

UN NUMBER:

UN number: UN1950

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number: UN1950
Class: 9.0
Packing Group: II
Proper Shipping Name: Aerosols
CDG-ROAD (if applicable) Not applicable

ADR/RID CLASSIFICATION:

Class: 2.0
Item Number: 10 b2

ICAO/IATA CLASSIFICATION:

Class: CLASS 2.1
Sub-Risk: Not applicable
Packing Group: Not applicable
Proper Shipping Name: Aerosols Flammable N.O.S.

15 REGULATORY INFORMATION

Precautionary Label Information:

Symbol(s):
Flame (Extremely Flammable)

Risk Phrases:
Extremely flammable. Vapours may ignite explosively. May be harmful if inhaled. May cause eye irritation.

Safety Phrases:
Keep away from heat. Keep away from sources of ignition including pilot lights and sparks. No smoking. Do not breathe vapour or spray. Use only in well ventilated areas. Do not spray directly into eyes. Avoid prolonged or repeated contact with the skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash with soap and water. WARNING! Pressurised

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386
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Page 7 of 7

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 out of 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) Regulations 1994
The Dangerous Substances (Conveyance by Road in Road Tankers Tank Containers/Regulations 1992)
The Carriage of Dangerous Goods By Road and Rail (Classification, Packaging and Labelling) Regulations 1994
The Petroleum (Consolidation) Act 1928
The Control of Substances Hazardous to Health Regulations 1994
The Control of Pollution (Special Waste) Regulations 1980
The Environmental Protection Act, 1990
The Health and Safety at Work Act, 1974

Reissue date/Reason for reissue.

01/05/97. To delete 3M ID Number.

Intended Use of Product:

An aerosol adhesive used for fixing most porous and non-porous materials including polystyrene and foams.

The information on this 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.