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MATERIAL SAFETY DATA SHEET

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

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- 1.1 Tradename:  
 3M(TM) SCOTCH-WELD(TM) DISPLAYMOUNT ADHESIVE UK-7806
- 1.2 Intended Use of Product:  
 An aerosol used for fixing most porous and non-porous materials including polystyrene and foams.
- 1.3 3M Product ID:  
 GS-2000-3491-5, GS-2000-3489-9
- 1.4 Contact Address:  
 3M UK PLC 3M Ireland  
 3M Centre, Cain Road 3M House, Adelphi Centre  
 Bracknell, Berkshire, RG12 8HT Dun Laoghaire, County  
 Dublin
- 1.5 Emergency Contact Number:  
 In case of poisoning or (possible) environmental hazards during use of this product, please contact the 3M Toxicology department at +44 (0)1344 85 80 00.

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2 COMPOSITION/INFORMATION ON INGREDIENTS

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Ingredient name and classification	CAS number	Percentage
NONVOLATILE COMPONENTS	---	20 - 30
ACETONE	67-64-1	15 - 25
EU Hazard Symbols and Risk Phrases: EU - Adaptation 25 (F, Xi; R:11-36-66-67)		
PROPANE	74-98-6	10 - 20
EU Hazard Symbols and Risk Phrases: EU - Adaptation 21 (F+; R:12)		
HEPTANES	92045-53-9	7 - 13
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)		
DIMETHYL ETHER	115-10-6	7 - 13
EU Hazard Symbols and Risk Phrases: EU - Adaptation 21 (F+; R:12)		
HEXANE ISOMERS	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)		
BUTANE	106-97-8	3 - 7
EU Hazard Symbols and Risk Phrases: EU - Adaptation 21 (F+; R:12)		

PENTANE 109-66-0 1 - 5  
EU Hazard Symbols and Risk Phrases: EU - Adaptation 25 (F+,N,  
Xn; R:12-51/53-65-66-67)

ISOBUTANE (CONTAINING <0.1% 75-28-5 1 - 5  
BUTADIENE)  
EU Hazard Symbols and Risk Phrases: EU - Adaptation 21 (F+;  
R:12)

ISOPENTANE 78-78-4 0.5 - 1.5  
EU Hazard Symbols and Risk Phrases: EU-Adaptation 25(F+,N,  
Xn; R:12-51/53-65-66-67)

HEXANE 110-54-3 0 - 0.4  
EU Hazard Symbols and Risk Phrases: EU-Adaptation 29(F,N,Xi,  
Xn; R:11-38-48/20-51/53-Repr.Cat.3;62-65-67)

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### 3 HAZARDS IDENTIFICATION

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#### Critical hazards:

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

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### 4 FIRST-AID MEASURES

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#### 4.1 Eye Contact:

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

#### 4.2 Skin Contact:

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

#### 4.3 Inhalation:

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

#### 4.4 Ingestion:

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

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### 5 FIRE-FIGHTING MEASURES

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#### 5.1 Suitable Extinguishing Media:

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

#### 5.2 Unsuitable Extinguishing Media:

Not specified.

#### 5.3 Exposure Hazards:

Closed containers exposed to heat from fire may build pressure and explode.

#### 5.4 Combustion Products from Fire:

Not determined.

#### Hazardous Decomposition:

Carbon monoxide - During Combustion. Carbon dioxide - during combustion. Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation,

heating, or reaction with another material.

Fire-Fighting Procedures:

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

5.6 Special Instructions:

Aerosol container contains flammable material under pressure.

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## 6 ACCIDENTAL RELEASE MEASURES

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6.1 Personal Precautions:

Observe precautions from other sections. Ventilate the area. WARNING ! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. If it can be done safely, place the leaking container in an exhaust hood or well-ventilated area. Contain spilled material. Clean up residue. Place depressurised can and clean up wastes in a closed container approved for transportation by appropriate authorities.

6.2 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.

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## 7 HANDLING AND STORAGE

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Incompatible Materials/Conditions:

Store away from heat.

- Fire Prevention:

No smoking while handling this material. Flammable liquefied gas. Do not spray near flames or sources of ignition. Aerosol container contains flammable gas under pressure.

7.1 Precautions for Safe Handling:

Do not pierce or burn container, even after use.

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## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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8.3.1 Eye Protection:

Avoid eye contact with vapours, mists, or spray.

8.3.2 Hand Protection:

Not specified.

8.3.3 Skin Protection:

Gloves not normally required. Avoid prolonged or repeated skin contact.

8.3.4 Respiratory Protection:

Avoid inhalation of vapours, mists or spray.

8.3.5 Ingestion:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

8.1 Recommended Ventilation:

Use with appropriate local exhaust ventilation. 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. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment.

#### Exposure Limits:

ACETONE (67-64-1)	HSE WEL TWA: 500 ppm; 1210 mg/m <sup>3</sup> HSE WEL STEL: 1500 ppm; 3620 mg/m <sup>3</sup>
PROPANE (74-98-6)	HSE WEL TWA: Asphyxiant OES
DIMETHYL ETHER (115-10-6)	HSE WEL TWA: 400 ppm, 766 mg/m <sup>3</sup> HSE WEL STEL: 500 ppm, 958 mg/m <sup>3</sup> CMRG TWA Exposure Limit: 1000 ppm
BUTANE (106-97-8)	HSE WEL TWA: 600 ppm; 1450 mg/m <sup>3</sup> HSE WEL STEL: 750 ppm; 1810 mg/m <sup>3</sup>
PENTANE (109-66-0)	HSE WEL TWA: 600 ppm; 1800 mg/m <sup>3</sup> OES HSE WEL STEL: 750 ppm; 2250 mg/m <sup>3</sup> OES
ISOPENTANE (78-78-4)	HSE WEL TWA: 600 ppm; 1800 mg/m <sup>3</sup> OES HSE WEL STEL: 750 ppm; 2250 mg/m <sup>3</sup> OES
HEXANE (110-54-3)	HSE WEL TWA: 20 ppm; 72 mg/m <sup>3</sup>

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### 9 PHYSICAL AND CHEMICAL PROPERTIES

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Appearance and Odour:	Gas, transparent - white liquid in aerosol, strong ketone odour.
pH:	Not applicable
Boiling point/boiling range:	Not applicable
Melting point/melting range:	Not applicable
Flash point:	-46 C
Autoflammability:	Not determined
Vapour pressure:	Not determined
Water solubility:	Nil
Specific gravity:	0.65
Vapour density:	> 1
Percent Volatile:	88.5 %

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### 10 STABILITY AND REACTIVITY

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Conditions to Avoid:  
Sparks and/or Flames.

Materials to Avoid:

None known.

Stability and Reactivity:

Hazardous polymerisation will not occur. Stable.

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11 TOXICOLOGICAL INFORMATION  
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Effects from Eye Contact:

Sprayed material may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Effects from Skin Contact:

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

Effects from Inhalation:

Sprayed material may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, hoarseness, wheezing, breathing difficulty, nose and throat pain, coughing up blood, and non respiratory effects such as painful and watery eyes.

Effects from Ingestion:

Gastrointestinal Effects: Signs/symptoms may include stomach upset, nausea, vomiting and diarrhoea.

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.

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12 ECOLOGICAL INFORMATION  
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Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

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13 DISPOSAL CONSIDERATIONS  
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Product as sold:

Incinerate in an industrial or commercial facility. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste. Incinerate at a facility equipped to handle gaseous waste. Facility must be capable of handling aerosol cans.

Special Instructions:

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

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14 TRANSPORT INFORMATION  
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UN NUMBER:

UN number:

UN1950

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number: UN1950  
Class: 2  
Packing Group: Not applicable  
Proper Shipping Name: Aerosols

ADR/RID CLASSIFICATION:  
Class: 2  
ADR classification: 5F

ICAO/IATA CLASSIFICATION:  
Class: 2.1  
Sub-Risk: Not applicable  
Packing Group: Not applicable  
Proper Shipping Name: Aerosols, flammable.

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15 REGULATORY INFORMATION

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Symbol(s):  
(F+) Flame (Extremely Flammable).

Risk Phrases:  
(R12) Extremely flammable. (R66) Repeated exposure may cause skin dryness or cracking. (R67) Vapours may cause drowsiness and dizziness. (R52/53) Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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 - No Smoking. Keep out of the reach of children. 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.

Disclosable Ingredients:  
ACETONE; HEPTANES; HEXANE ISOMERS; PENTANE.

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16 OTHER INFORMATION

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Complete list of risk phrases:

Ingredients on the European Detergents Directive 2004/648/CE:

Reissue date/Reason for reissue.  
Updated section 15.

Regulatory Information: The following UK Regulations as amended may affect the product as supplied: The

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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 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.