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MATERIAL SAFETY DATA SHEET

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

- 1.1 Tradename:
 3M Scotch-Weld Spraymount Adhesive
- 1.2 Intended Use of Product:
 Spray adhesive that allows for repositioning.
- 1.3 3M Product ID:
 GS-2000-3482-4, GS-2000-3479-0, GS-2000-3478-2
- 1.4 Contact Address:
 3M UK PLC 3M Ireland
 3M Centre, Cain Road, 3M House, Adelphi Centre,
 Bracknell, Berkshire, RG12 8HT Dun Laoghaire, Co. Dublin
- 1.5 Emergency Contact Number:
 +44 (0)1344 858 000

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
Acetone EU Number: EINECS 200-662-2 EU Classification: F: R11; Xi: R36; R66-67 EU Nota: 6	67-64-1	25 - 40
Butane EU Number: EINECS 203-448-7 EU Classification: F+: R12 EU Nota: C	106-97-8	10 - 20
Propane EU Number: EINECS 200-827-9 EU Classification: F+: R12	74-98-6	10 - 20
Nonvolatile components	Trade Secret	5 - 15
Naphtha (petroleum), hydrodesulphurised light, dearomatised EU Number: EINECS 295-434-2 EU Classification: Carc.Cat.2: R45; Xn: R65 Vendor Classification: F: R11; Xi: R38; N: R51/53; R67 EU Nota: 4, H, P	92045-53-9	7 - 13
Isobutane EU Number: EINECS 200-857-2 EU Classification: F+: R12 EU Nota: C	75-28-5	5 - 10
Naphtha (petroleum), hydrotreated light	64742-49-0	5 - 10

EU Number: EINECS 265-151-9
EU Classification: Carc.Cat.2: R45; Xn: R65
Vendor Classification: F: R11; Xi: R38; N: R51/53; R67
EU Nota: 4, H, P

Pentane	109-66-0	1 - 5
EU Number: EINECS 203-692-4		
EU Classification: F+: R12; Xn: R65; R66-67; N: R51-53		
EU Nota: 4, 6, C		
Isopentane	78-78-4	0.5 - 1.5
EU Number: EINECS 201-142-8		
EU Classification: F+: R12; Xn: R65; R66-67; N: R51-53		
EU Nota: 4, 6, C		
n-Hexane	110-54-3	0 - 0.4
EU Number: EINECS 203-777-6		
EU Classification: F: R11; Repr.Cat.3: R62; Xn: R65-48/20; Xi: R38; R67; N: R51-53		
EU Nota: 4, 6		

Additional Information:

Nota P applies to CAS 64742-49-0 and 92045-53-9.

3 HAZARDS IDENTIFICATION

Risk Phrases:

R12	Extremely flammable.
R36	Irritating to eyes.
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.

4 FIRST-AID MEASURES

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.

5 FIRE-FIGHTING MEASURES

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.

5.5 Fire-Fighting Procedures:

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

5.6 Special Instructions:

Aerosol container contains flammable material under pressure.

6 ACCIDENTAL RELEASE MEASURES

6.1 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.

6.2 Methods for Cleaning up:

Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Cover spill area with a fire-extinguishing foam. An aqueous film forming foam (AFFF) is recommended. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard. Collect as much of the spilled material as possible using non-sparking tools. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS. Collect the resulting residue containing solution. Place in an approved metal container. Seal the container. Dispose of collected material as soon as possible.

7 HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Do not pierce or burn container, even after use.

- 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.

7.2 Precautions for Safe Storage:

- Incompatible Materials/Conditions:

Store away from heat.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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 dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment.

8.2 Exposure Limits:

Acetone (67-64-1)

HSE WEL TWA: 1210 mg/m³; 500 ppm

HSE WEL STEL: 3620 mg/m³; 1500 ppm

IOELV TWA: 1210 mg/m³; 500 ppm

Butane (106-97-8)

HSE WEL TWA: 1450 mg/m³; 600 ppm

HSE WEL STEL: 1810 mg/m³; 750 ppm

Pentane (109-66-0)

IOELV TWA: 3000 mg/m³; 1000 ppm

Isopentane (78-78-4)

IOELV TWA: 3000 mg/m³; 1000 ppm

n-Hexane (110-54-3)

HSE WEL TWA: 72 mg/m³; 20 ppm

IOELV TWA: 72 mg/m³; 20 ppm

8.3 Exposure Controls:

8.3.1 Eye Protection:

Avoid eye contact with vapours, mists, or spray.

8.3.2 Hand Protection:

Gloves not normally required.

8.3.3 Skin Protection:

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. Keep out of the reach of children.

9 PHYSICAL AND CHEMICAL PROPERTIES

- | | |
|--------------------------------|---|
| - Appearance and Odour: | Transparent - white liquid in aerosol with a strong ketone odour. |
| - pH: | Not applicable |
| - Boiling point/boiling range: | Not applicable |
| - Melting point/melting range: | Not applicable |
| - Flash point: | -46 0C |

- Autoflammability: Not determined
- Flammable Limits - LEL: Not determined
- Flammable Limits - UEL: Not determined
- Vapour pressure: Not determined
- Water Solubility: Nil
- Specific gravity: 0.65 (Water=1)
- Vapour density: >= 1 (Air=1)
- Percent Volatile: 88.5 % by weight

10 STABILITY AND REACTIVITY

10.1 Stability and Reactivity:

Stable. Hazardous polymerisation will not occur.

10.2 Conditions to Avoid:

Sparks and/or flames.

10.3 Materials to Avoid:

None known.

10.4 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.

11 TOXICOLOGICAL INFORMATION

11.1 Effects from Eye Contact:

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

11.2 Effects from Skin Contact:

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

11.3 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.
- Intentional concentration and inhalation may be harmful or fatal.

11.4 Effects from Ingestion:

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

11.5 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.

12 ECOLOGICAL INFORMATION

12.1 Environmental Data:

Not determined.

12.2 Mobility in Soil and Water:

Not determined.

12.3 Persistence/Biodegradability:

Not determined.

12.4 Bioaccumulation Potential:

Not determined.

12.5 Ecotoxicity Data:

Not determined.

12.6 Ecofate Data:

Not determined.

12.7 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.

13 DISPOSAL CONSIDERATIONS

13.1 Product as Sold:

Incinerate in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility. Incinerate at a facility equipped to handle gaseous waste. Facility must be capable of handling aerosol cans.

13.2 Product in Use:

Not determined.

13.3 Product after Use:

Not determined.

13.4 Product Packaging:

Not determined.

13.5 Potential for Recycling:

Not determined.

13.6 Special Instructions:

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

14 TRANSPORT INFORMATION

- UN number:	UN1950
- IMO Class:	2
- IMO Proper Shipping Name:	Aerosols
- ADR Class:	2
- ADR Classification:	5F
- ADR Proper Shipping Name:	Aerosols.
- IATA Class:	2.1
- IATA Proper Shipping Name:	Aerosols, flammable.

15 REGULATORY INFORMATION

Label Version Number:
04.00

Symbol(s):
F+ Extremely Flammable.
Xi Irritant.

Risk Phrases:
R12 Extremely flammable.
R36 Irritating to eyes.
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:
S16 Keep away from sources of ignition - No Smoking.
S2 Keep out of the reach of children.
S51 Use only in well ventilated areas.
S23C Do not breathe vapour or spray.
S24/25 Avoid contact with the skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28A After contact with skin, wash immediately with plenty of soap and water.
S29 Do not empty into drains.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

3M WARNING! Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 :C. Do not pierce or burn, even after use. Do not spray on a naked flame or incandescent material.

Disclosable Ingredients:
Acetone;
Naphtha (petroleum), hydrodesulfurised light, dearomatised;
Naphtha (petroleum), hydrotreated light;

Pentane.

Remarks:

R65 is not required on the label because the product is an aerosol.

16 OTHER INFORMATION

16.1 Complete list of risk phrases:

R11	Highly flammable.
R12	Extremely flammable.
R20	Harmful by inhalation.
R36	Irritating to eyes.
R38	Irritating to skin.
R45	May cause cancer.
R48	Danger of serious damage to health by prolonged exposure through inhalation.
R51	Toxic to aquatic organisms.
R52	Harmful to aquatic organisms.
R53	May cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.
R65	Harmful: May cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

16.2 Limitations on Use of Product:

For general use.

16.3 Reissue date/Reason for reissue:

Added 3M stock number.

16.4 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;

The Control of Substances Hazardous to Health Regulations 1999 as amended;

The Special Waste Regulations 1996, as amended;

The Environmental Protection Act, 1990, as amended;

The Health and Safety at Work Act, 1974, as amended.

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.

