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MATERIAL SAFETY DATA SHEET

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:

3M(TM) SPRAYMOUNT(TM) ADHESIVE (UK-7874)

3M Product ID:

GS-2000-3478-2 GS-2000-3301-6 GS-2000-3391-7
GT-5000-4032-1 GS-2000-3482-4 GS-2000-3498-0 GS-2000-3341-2
GS-2000-3343-8 GS-2000-3357-8 GS-2000-3358-6

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
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ACETONE	67-64-1	25 - 40
EU Hazard Symbols and Risk Phrases: EU - Adaptation 25 (F,Xi; R:11-36-66-67)		
BUTANE	106-97-8	10 - 20
EU Hazard Symbols and Risk Phrases: EU - Adaptation 21 (F+; R:12)		
PROPANE	74-98-6	10 - 20
EU Hazard Symbols and Risk Phrases: EU - Adaptation 21 (F+;		

R:12)

NONVOLATILE COMPONENTS --- 5 - 15

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(N;
R:51/53)

ISOBUTANE 75-28-5 5 - 10

EU Hazard Symbols and Risk Phrases: EU - Adaptation 21 (F+;
R:12)

HEXANES 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)

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)

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,Xi,Xn,N; R:11-38-48/20-51/53-Repr.Cat.3;62-65-67)

3 HAZARDS IDENTIFICATION

Critical hazards:

Irritant. Extremely flammable. Irritating to eyes. 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.

4 FIRST-AID MEASURES

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.

Inhalation:

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

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

Suitable Extinguishing Media:

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

Exposure Hazards:

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

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.

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:

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. Seal the container. 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. Contain spill. 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 a suitable metal container. Dispose of collected material as soon as possible.

7 HANDLING AND STORAGE

Precautions for Safe Storage:

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.

Precautions for Safe Handling:

Do not pierce or burn container, even after use.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Avoid eye contact with vapours, mists, or spray.

Skin Protection:

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

Respiratory Protection:

Avoid inhalation of vapours, mists or spray.

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. 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.

Exposure Limits:

ACETONE (67-64-1)

UK HSE TWA: 500 ppm; 1210 mg/m³ OES

UK HSE STEL: 1500 ppm; 3620 mg/m³ OES

BUTANE (106-97-8)

UK HSE TWA: 600 ppm; 1450 mg/m³ OES

UK HSE STEL: 750 ppm; 1810 mg/m³ OES

PROPANE (74-98-6)

UK HSE TWA: Asphyxiant OES

PENTANE (109-66-0)

UK HSE TWA: 600 ppm; 1800 mg/m³ OES

UK HSE STEL: 750 ppm; 2250 mg/m³ OES

ISOPENTANE (78-78-4)

UK HSE TWA: 600 ppm; 1800 mg/m³ OES

UK HSE STEL: 750 ppm; 2250 mg/m³ OES

HEXANE (110-54-3)

UK HSE TWA: 20 ppm; 72 mg/m³ OES

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: Gas, transparent Aerosol -
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 C

Autoflammability: Not determined

Vapour pressure: Not determined

Water Solubility: Nil

Specific gravity: 0.65

Vapour density: Greater than 1

Percent Volatile: 88.5 % by wt

10 STABILITY AND REACTIVITY

Conditions to Avoid:
Sparks and/or Flames.

Materials to Avoid:
None known.

Hazardous Decomposition:
NONE. Hazardous polymerisation will not occur. Stable.

11 TOXICOLOGICAL INFORMATION

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. Intentional concentration and inhalation may be harmful or fatal.

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.

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.

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. 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.

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: 5 (f)

ICAO/IATA CLASSIFICATION:

Class: 2.1

Sub-Risk: Not applicable.

Packing Group: Not applicable.

Proper Shipping Name: Aerosols, flammable.

15 REGULATORY INFORMATION

Disclosable Ingredients:

ACETONE, HEPTANES, HEXANES, PENTANE

Symbol(s):

(Xi) St. Andrew's Cross (Irritant). (F+) Flame (Extremely Flammable).

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:

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. 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. 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. 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.

Reissue date/Reason for reissue.

Added and removed 3M ID stock number and updated sections 2, 5, 6, 12, 13.

Intended Use of Product:

Spray adhesive that allows for repositioning.

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.