



3M United Kingdom Plc
3M Centre Cain Road
BRACKNELL Berkshire
RG12 8HT

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Safety Data Sheet
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MSDS ID 27-5082-6 Release Date: 20/04/10 Version : 003.00
Supersedes Date 27/03/10 Printed : 17/06/10 Page 1 of 15

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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

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

1.1 Identification of the substance or preparation
3M 08080 Auto Adhesive Aerosol

3M Product identification numbers

=====
YP-2080-6016-7 | | | | |
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1.2 Use of substance/preparation
Adhesive aerosol.

1.3 Company/undertaking identification

Address: 3M United Kingdom PLC, 3M Centre, Cain Rd,
 Bracknell, Berkshire, RG12 8HT.
E Mail: tox.uk@mmm.com
Website: www.3M.com/uk/msds

1.4 Emergency telephone number
+44 (0)1344 858000 (24 hours)

2. HAZARDS IDENTIFICATION

Indication of danger

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Extremely flammable.
Dangerous to environment.

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- R36 | Irritating to eyes.
-
- R67 | Vapours may cause drowsiness and dizziness.
-
- R66 | Repeated exposure may cause skin dryness or cracking.
-
- R51/53 | Toxic to aquatic organisms. May cause long-term adverse
 | effects in the aquatic environment.
- =====

Other hazards

 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Nbr	EU Inventory	% by weight	Classification
Dimethyl ether	115-10-6	EINECS 204-065-8	40 - 70	F+:R12 (EU)
Methyl acetate	79-20-9	EINECS 201-185-2	< 30	F:R11; Xi:R36; R66; R67 (EU)
Cyclohexane	110-82-7	EINECS 203-806-2	7 - 13	F:R11; Xn:R65; Xi:R38; N:R50/53; R67 - Nota 4 (EU)
Styrene-butadiene polymer	Trade secret		1 - 5	
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EINECS 265-150-3	0.5 - 1.5	Carc.Cat.2:R45; Muta.Cat.2:R46; Xn:R65 - Nota 4, H, P (EU)N:R51/53; R66; R67 (3M)
Distillates (petroleum), hydrotreated light	64742-47-8	EINECS 265-149-8	0.5 - 1.5	Xn:R65 - Nota 4, H (EU)R66; R67 (3M)N:R51/53 (Concawe no. 01/54)

 Please see section 16 for the full text of any risk phrases referred to under headings 2 and 3 of this Safety Data Sheet.

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4. FIRST AID MEASURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Inhalation

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

Skin contact

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. If signs/symptoms develop, get medical attention. Wash contaminated clothing and clean shoes before reuse.

Eye contact

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

If swallowed

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).

Unsuitable extinguishing media**Special exposure hazards**

Closed containers exposed to heat from fire may build pressure and

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long distances along the ground or floor to an ignition source and flash back. Aerosol container contains flammable material under pressure.

Special instructions for firefighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment and a self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

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. 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. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Warning: A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard.

Environmental procedures

For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Methods for cleaning up

Refer to other sections of this Safety Data Sheet for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Contain spill. Cover spill area with a fire-extinguishing foam designed for use on solvents, such as alcohols and acetone, that can dissolve in water. An AR-AFFF type foam is recommended. 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. 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 Safety Data Sheet. Seal the container.

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 7. HANDLING & STORAGE

7.1 Handling

For industrial or professional use only. Avoid contact with oxidising agents. Avoid inhalation of vapours, mists or spray. Avoid skin contact. Avoid eye contact with vapours, mists, or spray. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid static discharge. Do not pierce or burn container, even after use. Do not spray near flames or sources of ignition. Aerosol container contains flammable gas under pressure. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. No smoking while handling this material.

7.2 Storage

Keep container tightly closed. Do not store containers on their sides. Store out of direct sunlight. Store away from heat. Store away from acids. Store away from oxidising agents.

 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

UK HSC WEL

Ingredient	CAS Nbr	TWA	STEL	Additional comments
Dimethyl ether	115-10-6	766 mg/m ³ , 400 ppm	958 mg/m ³ , 500 ppm	
Methyl acetate	79-20-9	616 mg/m ³ , 200 ppm	770 mg/m ³ , 250 ppm	
Cyclohexane	110-82-7	350 mg/m ³ , 100 ppm	1050 mg/m ³ , 300 ppm	

UK HSC WEL: Workplace exposure limits (WELs) which have been approved by the UK Health and Safety Commission.

TWA: Time-Weighted-Average - long term exposure limit measured or calculated in relation to a reference period of eight hours time-weighted-average.

STEL: Short Term Exposure Limit - limit value above which exposure should not occur and is related to a 15 minute period, unless otherwise specified.

ppm: parts per million by volume in air (ml/m³).

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8.2.1 Occupational exposure controls

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 in a well-ventilated area.

Respiratory protection

Avoid inhalation of vapours, mists or spray.

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:
Half facepiece or fullface supplied-air respirator.

Consult the current 3M Respiratory Selection Guide for additional information or contact 3M for technical assistance.

Hand protection

Gloves made from the following material(s) are recommended:
Polyethylene or ethylene vinyl alcohol.

Eye/face protection

Avoid eye contact with vapours, mists, or spray.

The following eye protection(s) are recommended: Indirect vented goggles.

Skin protection

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Ingestion

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

8.2.2 Environmental exposure controls

No data available.

9. PHYSICAL/CHEMICAL PROPERTIES-----
9.1 General information
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 Specific Physical Form: | Aerosol

 Appearance/Odour | Sweat spicy odour; Clear
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9.2 Important health safety and environmental information

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pH	No data available.
Boiling point/boiling range	Not applicable.
Melting point	Not applicable.
Flammability (solid, gas)	Not available.
Explosive properties	Not determined.
Oxidising properties	Not determined.
Flash point	-42 °C [Test Method:Closed Cup]
Flammable limits - LEL	No data available.
Flammable limits - UEL	No data available.
Vapour pressure	No data available.
Relative density	0.78 [Test Method:Estimated] [Ref Std:WATER=1]
Water solubility	No data available.
Partition coefficient: n-octanol/water	Not applicable.
Evaporation rate	No data available.
Vapour density	No data available.
Density	0.898 g/ml

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9.3 Other information

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Volatile organic compounds (VOC)	674 g/l
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VOC less H2O & exempt | No data available.
solvents
=====

10. STABILITY & REACTIVITY

Stable. Hazardous polymerisation will not occur.

10.1 Conditions to avoid
Heat.
Sparks and/or flames.

10.2 Materials to avoid
None known.

10.3 Hazardous decomposition products
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Substance	Condition
Hydrocarbons.	During combustion.
Formaldehyde.	During combustion.
Carbon monoxide.	During combustion.
Carbon dioxide.	During combustion.

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11. TOXICOLOGICAL INFORMATION

Inhalation

Intentional concentration and inhalation may be harmful or fatal.
Respiratory tract irritation: Signs/symptoms may include cough,
sneezing, nasal discharge, headache, hoarseness, and nose and throat
pain.

Prolonged or repeated exposure may cause:

Respiratory effects: Signs/symptoms may include cough, shortness of
breath, chest tightness, wheezing, increased heart rate, bluish
coloured skin (cyanosis), sputum production, changes in lung function
tests, and/or respiratory failure.

May be absorbed following inhalation and cause target organ effects.

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Ingestion

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

Eye contact

Moderate eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Skin contact

Moderate skin irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness.

Other health effects

Central nervous system (CNS) depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Mutagenicity/Genotoxicity

Contains a chemical or chemicals which may interact with genetic material and possibly alter gene expression. Please refer to Section 15 of this Safety Data Sheet for information regarding applicable Notas.

Ingredient	CAS Nbr	Classification	Regulation
Naphtha (petroleum), hydrotreated heavy	64742-48-9	Muta.Cat.2	Annex 1(67/548/EEC)

Carcinogenicity

Contains a chemical or chemicals which can cause cancer. Please refer to Section 15 of this Safety Data Sheet for information regarding applicable Notas.

Ingredient	CAS Nbr	Classification	Regulation
Naphtha (petroleum), hydrotreated heavy	64742-48-9	Carc.Cat.2	Annex 1(67/548/EEC)

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12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

12.2 Mobility
Please contact 3M for more details.

12.3 Persistence and degradability

12.4 Bioaccumulative potential

12.5 Results of PBT assessment
No data available at this time, contact 3M for more details.

12.6 Other adverse effects

13. DISPOSAL CONSIDERATIONS

Waste disposal method: 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.



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

14. TRANSPORTATION INFORMATION

Please refer to the end of this document for transportation information or to the kit cover page (page 1) if this product is part of a kit.

15. REGULATORY INFORMATION

Symbols

=====
F+ | Extremely flammable.

Xi | Irritant.

N | Dangerous to environment.
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Contains

No ingredients are assigned to the label.

Risk phrases

=====
R12 | Extremely flammable.

R36 | Irritating to eyes.

R67 | Vapours may cause drowsiness and dizziness.

R66 | Repeated exposure may cause skin dryness or cracking.

R51/53 | Toxic to aquatic organisms. May cause long-term adverse
| effects in the aquatic environment.
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Safety phrases

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S16 | Keep away from sources of ignition - No Smoking.

S2 | Keep out of the reach of children.

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- S51 | Use only in well ventilated areas.

- S23C | Do not breathe vapour or spray.

- S24 | Avoid contact with skin.

- S61 | Avoid release to the environment. Refer to special
| instructions/safety data sheets.
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Special provisions concerning the labelling of certain substances

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 any incandescent material.

Notes on labelling

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

Nota P applied to CAS 64742-48-9

16. OTHER INFORMATION

List of relevant R-phrases
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- R11 | Highly flammable.

- R12 | Extremely flammable.

- R36 | Irritating to eyes.

- R38 | Irritating to skin.

- R45 | May cause cancer.

- R46 | May cause heritable genetic damage.

- R50/53 | Very toxic to aquatic organisms. May cause long-term
| adverse effects in the aquatic environment.

- R51/53 | Toxic to aquatic organisms. May cause long-term adverse
| effects in the aquatic environment.

- R65 | Harmful: May cause lung damage if swallowed.

- R66 | Repeated exposure may cause skin dryness or cracking.

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Restrictions on use

For industrial or professional use only.

Global inventory status

Revision information:

Revision Changes:

Section 3: Potential effects from eye contact heading was modified.
Section 3: Potential effects from skin contact heading was modified.
Section 3: Potential effects from inhalation heading was modified.
Section 3: Potential effects from ingestion heading was modified.
Section 10: Hazardous decomposition or by-products table was modified.
Section 13: Waste disposal method heading was modified.
Section 4: First aid for skin contact - medical assistance - was modified.
Section 4: First aid for inhalation - termination of exposure - was modified.
Section 4: First aid for inhalation - medical assistance - was modified.
Safety phrase was modified.
Section 3: Other health effects information was modified.
Section 3 and Section 9: General physical form information was modified.
Section 2 Risk phrases heading was modified.
Section 5: Special Exposure hazards heading was modified.
Section 8: Hand Protection heading was modified.
Section 9: General Information heading was modified.
Section 11: Mutagenicity/genotoxicity heading was modified.
Section 15: Contains heading was modified.
Section 15: Safety phrases heading was modified.
Section 16: Web address was modified.
Section 15: Symbol was modified.
Section 16: UK disclaimer was modified.
Section 4: Inhalation heading was modified.
Section 4: If swallowed heading was modified.
Section 4: Skin contact heading was modified.
Section 4: Eye contact heading was modified.
Section 11: Other Health Effects heading was modified.
Section 16: Restrictions on use heading was modified.
Section 2: Indication of danger heading was modified.
Section 11: Mutagenicity/genotoxicity information was modified.
Section 11: Carcinogenicity information was modified.
Section 3: Composition/ Information of ingredients table was modified.
Section 9: n-octanol/water coefficient information was modified.
Section 9: Boiling point information was modified.
Section 15: Risk phrases heading was modified.
Section 15: Symbols heading was modified.
Section 2: Indication of danger information was modified.
Section 11: Potential effects from eye contact information was modified.
Section 11: Potential respiratory effects information was modified.

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Section 11: Potential effects from skin contact information was modified.
Section 9: Explosive properties heading was modified.
Section 9: Oxidising properties heading was modified.
Section 12: Ecotoxicity heading was modified.
Section 12: Mobility heading was modified.
Section 12: Persistence and degradability heading was modified.
Section 12: Bioaccumulative potential heading was modified.
Section 12: Results of PBT assessment heading was modified.
Section 12: Other adverse effects heading was modified.
Header section: REACH compliance statement was modified.
Section 8: TWA key was modified.
Section 8: STEL key was modified.
Section 8: mg/m3 key was modified.
Section 8: ppm key was modified.
Section 6: Personal precautions information was modified.
Section 6: Methods for cleaning up information was modified.
Section 9: Flammability (solid, gas) information was modified.
Section 9: Explosive properties information was modified.
Section 9: Oxidising properties information was modified.
Section 2: Other hazards heading was modified.
Section 15: Notes on labelling heading was modified.
Reference to R phrase explanation in Section 16 was modified.
Section 15: Special provisions concerning the labelling of certain substances heading was modified.
Copyright was modified.
Section 9: Melting point information was modified.
Section 9: Property description for optional properties was modified.
Section 15: Additional label requirements phrase was modified.
Section 11: Mutagenicity/genotoxicity information was added.
Section 11: Carcinogenicity information was added.

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3M Safety Data Sheets are available at www.3M.com/msds

ANNEX: Transport information as per paragraph 14 of the MSDS

Major change to the transportation information.

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ADR/RID

UN1950 AEROSOLS, LIMITED QUANTITY, 2.1, (D), 5F

IMDG-CODE

UN1950 AEROSOLS (NOT APPLICABLE), 2.1 ,limited quantity

ICAO/IATA

UN1950 AEROSOLS, FLAMMABLE, 2.1

