



Safety Data Sheet

Copyright, 2013, 3M Company All rights reserved. Copying and/or downloading of this information for the purpose of properly utilising 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

Document group:	27-7264-8	Version number:	4.00
Revision date:	07/01/2013	Supersedes date:	14/02/2012
Transportation version number:	1.03 (07/01/2013)		

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

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

3M SprayMount Adhesive.

Product identification numbers

GT-5000-6935-3 YP-2080-6050-6 YP-2080-6054-8 YP-2080-6204-9

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Adhesive aerosol.

1.3. Details of the supplier of the substance or mixture

Address: 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.

E Mail: tox.uk@mmm.com

Website: www.3M.com/uk

1.4. Emergency telephone number

+44 (0)1344 858 000

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

Indication of danger

Extremely flammable; F+; R12

Irritant; Xi; R36

R66

R67

Dangerous for the environment; N; R51/53

For full text of R phrases, see Section 16.

2.2. Label elements

3M SprayMount Adhesive.

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

Symbol(s)



Extremely
Flammable



Irritant



Dangerous
for the
environment

Contains:

No ingredients are assigned to the label.

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

Safety phrases

S16	Keep away from sources of ignition - No Smoking.
S23C	Do not breathe vapour or spray.
S51	Use only in well ventilated areas.
S24	Avoid contact with skin.
S29	Do not empty into drains.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
S2	Keep out of the reach of children.

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.

"Heptane and Isomers" has a generic classification of F, Xn, N; R65-38-67-R50/53. "Hexane and Isomers" has a generic classification of F, Xn, N; R65-38-67-R51/53.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Acetone	67-64-1	EINECS 200-662-2	25 - 40	F:R11; Xi:R36; R66; R67 (EU) Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336; EUH066 (CLP)
Butane	106-97-8	EINECS 203-	10 - 20	F+:R12 - Nota C (EU)

3M SprayMount Adhesive.

		448-7		Flam. Gas 1, H220; Liquified gas, H280 - Nota C,U (CLP)
Propane	74-98-6	EINECS 200-827-9	10 - 20	F+:R12 (EU) Flam. Gas 1, H220; Liquified gas, H280 - Nota U (CLP)
Non-volatiles	Trade Secret		7 - 13	
Heptane & isomers	None		5 - 10	
Hexane, mixture of isomers	None		5 - 10	
Isobutane	75-28-5	EINECS 200-857-2	5 - 10	F+:R12 - Nota C (EU) Flam. Gas 1, H220; Liquified gas, H280 - Nota C,U (CLP)
Methylcyclohexane	108-87-2	EINECS 203-624-3	1 - 5	F:R11; Xn:R65; Xi:R38; N:R51/53; R67 - Nota 4 (EU) Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Chronic 2, H411 (CLP)
Pentane	109-66-0	EINECS 203-692-4	1 - 5	F+:R12; Xn:R65; N:R51/53; R66; R67 - Nota 4,C (EU) Flam. Liq. 2, H225; Asp. Tox. 1, H304; STOT SE 3, H336; EUH066; Aquatic Chronic 2, H411 - Nota C (CLP)
2-methyl butane	78-78-4	EINECS 201-142-8	0.5 - 2.0	F+:R12; Xn:R65; N:R51/53; R66; R67 - Nota 4,C (EU) Flam. Liq. 1, H224; Asp. Tox. 1, H304; STOT SE 3, H336; EUH066; Aquatic Chronic 2, H411 (CLP)
Cyclopentane	287-92-3	EINECS 206-016-6	0.5 - 1.5	F:R11; R52/53 (EU) Flam. Liq. 2, H225 (CLP) Aquatic Chronic 3, H412 (Self Classified)
n-hexane	110-54-3	EINECS 203-777-6	0.1 - 1.0	Repr.Cat.3:R62; F:R11; Xn:R48/20; Xn:R65; Xi:R38; N:R51/53; R67 - Nota 4 (EU) Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Repr. 2, H361f; STOT SE 3, H336; STOT RE 2, H373; Aquatic Chronic 2, H411 (CLP)

Please see section 16 for the full text of any R phrases and H statements referred to in this section

Please refer to section 15 for the any applicable Notas that have been applied to the above components

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

SECTION 4: First aid measures

4.1. Description of first aid measures

Eye contact

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

Skin contact

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

Inhalation

Remove person to fresh air. Get medical attention.

If swallowed

Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1 Information on toxicological effects

4.3. Indication of any immediate medical attention and special treatment required

Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Use a fire fighting agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

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

Hazardous Decomposition or By-Products

Substance

Aldehydes.
Hydrocarbons.
Carbon monoxide.
Carbon dioxide.

Condition

During combustion.
During combustion.
During combustion.
During combustion.

5.3. Advice for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

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

3M SprayMount Adhesive.

available. Cover spill area with a fire-extinguishing foam. An appropriate aqueous film forming foam (AFFF) 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. 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. Place in a metal container approved for transportation by appropriate authorities. Collect the resulting residue containing solution. 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. Dispose of collected material as soon as possible.

6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not use in a confined area or areas with little or no air movement. Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (eg. gloves, respirators...) as required. Vapours may travel long distances along the ground or floor to an ignition source and flash back.

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store away from heat. Store away from acids. Store away from oxidising agents.

7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Butane	106-97-8	Health and Safety Comm. (UK)	TWA:1450 mg/m ³ (600 ppm);STEL:1810 mg/m ³ (750 ppm)	
Pentane	109-66-0	Health and Safety Comm. (UK)	TWA:1800 mg/m ³ (600 ppm)	
n-hexane	110-54-3	Health and Safety Comm. (UK)	TWA:72 mg/m ³ (20 ppm)	
Acetone	67-64-1	Health and Safety Comm. (UK)	TWA:1210 mg/m ³ (500 ppm);STEL:3620 mg/m ³ (1500 ppm)	
Propane	74-98-6	Health and Safety Comm. (UK)	Limit value not established:	asphyxiant
2-methyl butane	78-78-4	Health and Safety Comm.	TWA:1800 mg/m ³ (600 ppm)	

3M SprayMount Adhesive.

(UK)

Health and Safety Comm. (UK) : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

ppm: parts per million

mg/m³: milligrams per cubic metre

CEIL: Ceiling

8.2. Exposure controls

8.2.1. Engineering controls

Do not remain in area where available oxygen may be reduced. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Wear eye/face protection.

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

Skin/hand protection

Wear protective gloves.

Gloves made from the following material(s) are recommended: Butyl rubber.

Polymer laminate

Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

Half facepiece or full facepiece supplied-air respirator

For questions about suitability for a specific application, consult with your respirator manufacturer.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Specific Physical Form:	Aerosol
Appearance/Odour	Transparent- white liquid in Aerosol; Strong ketone odour
pH	<i>Not applicable.</i>
Boiling point/boiling range	<i>Not applicable.</i>
Melting point	<i>Not applicable.</i>
Flammability (solid, gas)	Not applicable.
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	-46 °C
Autoignition temperature	<i>No data available.</i>
Flammable Limits(LEL)	<i>No data available.</i>
Flammable Limits(UEL)	<i>No data available.</i>
Vapour pressure	<i>No data available.</i>
Relative density	0.706 [Ref Std: WATER=1]

3M SprayMount Adhesive.

Water solubility	Negligible
Partition coefficient: n-octanol/water	No data available.
Evaporation rate	No data available.
Vapour density	≥ 1 [Ref Std: AIR=1]
Viscosity	Not applicable.
Density	0.706 g/ml

9.2. Other information

Percent volatile	88.5 % weight
------------------	---------------

SECTION 10: Stability and reactivity

10.1 Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

Sparks and/or flames.

Heat.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
None known.	

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1 Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Eye contact

Severe eye irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Skin contact

3M SprayMount Adhesive.

Prolonged or repeated exposure may cause:

Dermal Defatting: Signs/symptoms may include localised redness, itching, drying and cracking of skin.

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. May cause target organ effects after inhalation.

Ingestion

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

Target Organ Effects:

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

Single exposure, above recommended guidelines, may cause:

Cardiac sensitisation: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

Reproductive/Developmental Toxicity:

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

Toxicological Data

Acute Toxicity

Name	Route	Species	Value
Overall product	Ingestion		No test data available; calculated ATE >5,000 mg/kg
Acetone	Dermal	Rabbit	LD50 > 15,688 mg/kg
Acetone	Inhalation-Vapor (4 hours)	Rat	LC50 76 mg/l
Acetone	Ingestion	Rat	LD50 5,800 mg/kg
Propane	Inhalation-Gas (4 hours)	Rat	LC50 > 200,000 ppm
Butane	Inhalation-Gas (4 hours)	Rat	LC50 277,000 ppm
Isobutane	Inhalation-Gas (4 hours)	Rat	LC50 276,000 ppm
Pentane	Dermal	Rabbit	LD50 3,000 mg/kg
Pentane	Inhalation-Vapor (4 hours)	Rat	LC50 > 18 mg/l
Pentane	Ingestion	Rat	LD50 > 2,000 mg/kg
Non-volatiles	Dermal		LD50 estimated to be > 5,000 mg/kg
Non-volatiles	Ingestion		LD50 estimated to be 2,000 - 5,000 mg/kg
2-methyl butane	Dermal	Rabbit	LD50 3,000 mg/kg
2-methyl butane	Inhalation-Vapor (4 hours)	Rat	LC50 > 18 mg/l
2-methyl butane	Ingestion	Rat	LD50 > 2,000 mg/kg
Methylcyclohexane	Inhalation-Vapor (4 hours)	Mouse	LC50 26 mg/l
Methylcyclohexane	Dermal	Rabbit	LD50 > 86,700 mg/kg
Methylcyclohexane	Ingestion	Rat	LD50 > 3,200 mg/kg
Cyclopentane			No data available
n-hexane	Dermal	Rabbit	LD50 > 2,000 mg/kg
n-hexane	Inhalation-Vapor (4 hours)	Rat	LC50 170 mg/l
n-hexane	Ingestion	Rat	LD50 28,700 mg/kg

ATE = acute toxicity estimate

3M SprayMount Adhesive.**Skin Corrosion/Irritation**

Name	Species	Value
Acetone		Minimal irritation
Propane		Minimal irritation
Butane		No significant irritation
Isobutane		No significant irritation
Pentane		Minimal irritation
Non-volatiles		No significant irritation
2-methyl butane		Minimal irritation
Methylcyclohexane		Minimal irritation
Cyclopentane		No data available
n-hexane		Mild irritant

Serious Eye Damage/Irritation

Name	Species	Value
Acetone		Severe irritant
Propane		Mild irritant
Butane		No significant irritation
Isobutane		No significant irritation
Pentane		Mild irritant
Non-volatiles		No data available
2-methyl butane		Mild irritant
Methylcyclohexane		Mild irritant
Cyclopentane		No data available
n-hexane		Mild irritant

Skin Sensitisation

Name	Species	Value
Acetone		No data available
Propane		No data available
Butane		No data available
Isobutane		No data available
Pentane		Not sensitizing
Non-volatiles		Not sensitizing
2-methyl butane		Not sensitizing
Methylcyclohexane		No data available
Cyclopentane		No data available
n-hexane		Not sensitizing

Respiratory Sensitisation

Name	Species	Value
Acetone		No data available
Propane		No data available
Butane		No data available
Isobutane		No data available
Pentane		No data available
Non-volatiles		No data available
2-methyl butane		No data available
Methylcyclohexane		No data available
Cyclopentane		No data available
n-hexane		No data available

Germ Cell Mutagenicity

Name	Route	Value
Acetone	In vivo	Some positive data exist, but the data are not sufficient for classification
Propane	In Vitro	Not mutagenic

3M SprayMount Adhesive.

Butane	In Vitro	Not mutagenic
Isobutane	In Vitro	Not mutagenic
Pentane	Inhalation	Not mutagenic
Pentane	In Vitro	Some positive data exist, but the data are not sufficient for classification
Non-volatiles		No data available
2-methyl butane	Inhalation	Not mutagenic
2-methyl butane	In Vitro	Some positive data exist, but the data are not sufficient for classification
Methylcyclohexane		No data available
Cyclopentane		No data available
n-hexane	In vivo	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Acetone	Not specified.		Not carcinogenic
Propane			No data available
Butane			No data available
Isobutane			No data available
Pentane			No data available
Non-volatiles			No data available
2-methyl butane			No data available
Methylcyclohexane	Inhalation		Not carcinogenic
Cyclopentane			No data available
n-hexane	Dermal		Not carcinogenic
n-hexane	Inhalation		Some positive data exist, but the data are not sufficient for classification

Reproductive Toxicity**Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test result	Exposure Duration
Acetone	Ingestion	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOEL 1,700 mg/kg/day	
Acetone	Inhalation	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOEL 5.2 mg/l	
Propane		No data available			
Butane		No data available			
Isobutane		No data available			
Pentane	Ingestion	Not toxic to reproduction and/or development		NOAEL 1,000 mg/kg/day	
Pentane	Inhalation	Not toxic to reproduction and/or development		NOAEL 30 mg/l	
Non-volatiles		No data available			
2-methyl butane	Ingestion	Not toxic to reproduction and/or development		NOAEL 1,000 mg/kg/day	
2-methyl butane	Inhalation	Not toxic to reproduction and/or development		NOAEL 30 mg/l	

3M SprayMount Adhesive.

		development			
Methylcyclohexane		No data available			
Cyclopentane		No data available			
n-hexane	Ingestion	Toxic to reproduction and/or development		NOAEL 1,140 mg/kg/day	
n-hexane	Inhalation	Toxic to reproduction and/or development		LOAEL 3.52 mg/l	

Lactation

Name	Route	Species	Value
n-hexane	Inhalation		Some positive data exist, but the data are not sufficient for classification

Target Organ(s)**Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Acetone	Inhalation	central nervous system depression	May cause drowsiness or dizziness		LOAEL 0.6 mg/l	
Acetone	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
Acetone	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification		LOEL 24 mg/l	
Acetone	Inhalation	hematopoietic system immune system	Some positive data exist, but the data are not sufficient for classification		NOEL 0.6 mg/l	
Acetone	Ingestion	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
Propane	Inhalation	cardiac sensitization	Causes damage to organs		LOAEL 100,000 ppm	
Propane	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
Propane	Inhalation	respiratory irritation	All data are negative		Irritation Negative	
Butane	Inhalation	cardiac sensitization	Causes damage to organs		NOAEL N/A	
Butane	Inhalation	central nervous system depression	May cause drowsiness or dizziness		LOAEL 10,000 ppm	
Butane	Inhalation	heart	Some positive data exist, but the data are not sufficient for classification		LOEL 5,000 ppm	
Butane	Inhalation	respiratory irritation	All data are negative		Irritation Negative	

3M SprayMount Adhesive.

Isobutane	Inhalation	cardiac sensitization	Causes damage to organs		NOAEL N/A	
Isobutane	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
Isobutane	Inhalation	respiratory irritation	All data are negative		Irritation Negative	
Pentane	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
Pentane	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
Pentane	Inhalation	cardiac sensitization	Some positive data exist, but the data are not sufficient for classification		LOEL 295 mg/l	
Non-volatiles			No data available			
2-methyl butane	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
2-methyl butane	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation N/A	
2-methyl butane	Inhalation	cardiac sensitization	Some positive data exist, but the data are not sufficient for classification		LOEL 295 mg/l	
Methylcyclohexane	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
Methylcyclohexane	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
Cyclopentane			No data available			
n-hexane	Dermal	central nervous system depression	Some positive data exist, but the data are not sufficient for classification		LOAEL 1,350 mg/kg	
n-hexane	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
n-hexane	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
n-hexane	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification		LOEL 24.6 mg/l	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Acetone	Dermal	eyes	Some positive data exist, but the data are not sufficient for classification		NOEL N/A	
Acetone	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOAEL 119 mg/l	
Acetone	Inhalation	hematopoietic system immune system	Some positive data exist, but the data are not sufficient for classification		NOEL 0.6 mg/l	
Acetone	Inhalation	liver	All data are negative		NOAEL 45 mg/l	
Acetone	Inhalation	heart	All data are negative		NOAEL 19,000 ppm	
Acetone	Ingestion	respiratory system	Some positive data exist, but the data are not sufficient for classification		NOEL N/A	
Acetone	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL 900 mg/kg/day	
Acetone	Ingestion	heart	Some positive data exist, but the data are not sufficient for classification		LOEL 2,500 mg/kg/day	
Acetone	Ingestion	hematopoietic system	Some positive data exist, but the data are not sufficient for classification		NOEL 200 mg/kg/day	
Acetone	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification		NOEL 1,579 mg/kg/day	
Acetone	Ingestion	muscles	All data are negative		NOAEL 2,500 mg/kg	
Acetone	Ingestion	skin eyes	All data are negative		NOAEL 11,298 mg/kg/day	
Acetone	Ingestion	bone, teeth, nails, and/or hair	All data are negative		NOAEL 11,298 mg/kg	
Propane			No data available			
Butane	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOEL 1,017 ppm	

3M SprayMount Adhesive.

Butane	Inhalation	blood	All data are negative		NOAEL 4,489 ppm	
Isobutane	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A	
Pentane	Inhalation	peripheral nervous system	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A	
Pentane	Inhalation	heart skin endocrine system bone, teeth, nails, and/or hair hematopoietic system liver immune system muscles nervous system eyes kidney and/or bladder respiratory system	All data are negative		NOAEL 20 mg/l	
Pentane	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOEL 250 mg/kg/day	
Non-volatiles			No data available			
2-methyl butane	Inhalation	peripheral nervous system	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A	
2-methyl butane	Inhalation	heart skin endocrine system bone, teeth, nails, and/or hair hematopoietic system liver immune system muscles nervous system eyes kidney and/or bladder respiratory system	All data are negative		NOAEL 20 mg/l	
2-methyl butane	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOEL 250 mg/kg/day	
Methylcyclohexane	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification		NOAEL 1,200 ppm	
Methylcyclohexane	Inhalation	kidney and/or	Some positive		LOEL 1.6 mg/l	

3M SprayMount Adhesive.

exane		bladder	data exist, but the data are not sufficient for classification			
Cyclopentane			No data available			
n-hexane	Inhalation	peripheral nervous system	Causes damage to organs through prolonged or repeated exposure		NOAEL N/A	
n-hexane	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification		LOAEL 1.76 mg/l	
n-hexane	Inhalation	eyes	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A	
n-hexane	Inhalation	hematopoietic system	Some positive data exist, but the data are not sufficient for classification		LOEL 35.2 mg/l	
n-hexane	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOEL 1.76 mg/l	
n-hexane	Inhalation	nervous system	Some positive data exist, but the data are not sufficient for classification		LOEL 1.4 mg/l	
n-hexane	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification		LOAEL 0.44 mg/l	
n-hexane	Inhalation	immune system	Some positive data exist, but the data are not sufficient for classification		LOEL 0.43 mg/l	
n-hexane	Inhalation	auditory system	Some positive data exist, but the data are not sufficient for classification		LOAEL 0.2 mg/l	
n-hexane	Inhalation	heart skin endocrine system	All data are negative		NOAEL 1.76 mg/l	
n-hexane	Ingestion	peripheral nervous system	Some positive data exist, but the data are not sufficient for classification		NOAEL 1,140 mg/kg/day	
n-hexane	Ingestion	liver immune system kidney and/or bladder	Some positive data exist, but the data are not sufficient for		NOEL 40 mg/kg/day	

3M SprayMount Adhesive.

			classification			
n-hexane	Ingestion	endocrine system hematopoietic system	Some positive data exist, but the data are not sufficient for classification		NOEL 1,000 mg/kg/day	

Aspiration Hazard

Name	Value
Acetone	Not an aspiration hazard
Propane	Not an aspiration hazard
Butane	Not an aspiration hazard
Isobutane	Not an aspiration hazard
Pentane	Aspiration hazard
Non-volatiles	Not an aspiration hazard
2-methyl butane	Aspiration hazard
Methylcyclohexane	Aspiration hazard
Cyclopentane	Not an aspiration hazard
n-hexane	Aspiration hazard

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity**Acute aquatic hazard:**

GHS Acute 3: Harmful to aquatic life.

Chronic aquatic hazard:

GHS Chronic 3: Harmful to aquatic life with long lasting effects.

No product test data available.

Material	CAS Nbr	Organism	Type	Exposure	Test endpoint	Test result
Acetone	67-64-1	Water flea	Experimental	48 hours	EC50	13,500 mg/l
Acetone	67-64-1	Rainbow trout	Experimental	96 hours	LC50	5,540 mg/l
Acetone	67-64-1	Green Algae	Experimental	96 hours	EC50	2,574 mg/l
Butane	106-97-8		No data available.			
Cyclopentane	287-92-3	Water flea	Experimental	48 hours	EC50	10.5 mg/l
Cyclopentane	287-92-3	Coho Salmon	Experimental	96 hours	LC50	>100 mg/l
n-hexane	110-54-3	Water flea	Experimental	48 hours	EC50	>3.9 mg/l
n-hexane	110-54-3	Fathead minnow	Experimental	96 hours	LC50	2.5 mg/l
Isobutane	75-28-5		No data available.			% weight
2-methyl butane	78-78-4		No data available.			

3M SprayMount Adhesive.

Methylcyclohexane	108-87-2	Green algae	Laboratory	72 hours	EC50	0.34 mg/l
Methylcyclohexane	108-87-2	Water flea	Laboratory	48 hours	EC50	0.33 mg/l
Methylcyclohexane	108-87-2	Ricefish	Laboratory	96 hours	LC50	2.1 mg/l
Pentane	109-66-0	Water flea	Experimental	48 hours	EC50	9.74 mg/l
Pentane	109-66-0	Rainbow trout	Experimental	96 hours	LC50	4.26 mg/l
Propane	74-98-6		No data available.			

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Acetone	67-64-1	Estimated Photolysis		Photolytic half-life (in air)	80 days (t 1/2)	Other methods
Acetone	67-64-1	Experimental Photolysis		Photolytic half-life (in air)	146.5 days (t 1/2)	Other methods
Acetone	67-64-1	Experimental Biodegradation	28 days	BOD	96 % weight	OECD 301C - MITI test (I)
Butane	106-97-8	Experimental Photolysis		Photolytic half-life (in air)	6.3 days (t 1/2)	Other methods
Cyclopentane	287-92-3	Experimental Photolysis		Photolytic half-life (in air)	6.22 days (t 1/2)	Other methods
n-hexane	110-54-3	Experimental Photolysis		Photolytic half-life (in air)	5.4 days (t 1/2)	Other methods
n-hexane	110-54-3	Experimental Bioconcentration	28 days	BOD	100 % weight	OECD 301C - MITI test (I)
Isobutane	75-28-5	Experimental Photolysis		Photolytic half-life (in air)	13.7 days (t 1/2)	Other methods
Isobutane	75-28-5	No data available.	N/A	N/A	N/A	N/A
2-methyl butane	78-78-4	Experimental Photolysis		Photolytic half-life (in air)	8.11 days (t 1/2)	Other methods
2-methyl butane	78-78-4	Experimental Biodegradation	20 days	Percent degraded	100 % weight	Other methods
Methylcyclohexane	108-87-2	Laboratory Photolysis		Photolytic half-life (in air)	3 days (t 1/2)	Other methods
Methylcyclohexane	108-87-2	Laboratory Biodegradation	28 days	BOD	0 % weight	OECD 301D - Closed bottle test
Pentane	109-66-0	Experimental Photolysis		Photolytic half-life (in air)	8.14 days (t 1/2)	Other methods
Pentane	109-66-0	Experimental Biodegradation	28 days	BOD	96 % weight	OECD 301C - MITI test (I)
Propane	74-98-6	Experimental Photolysis		Photolytic half-life (in air)	27.5 days (t 1/2)	Other methods

12.3 : Bioaccumulative potential

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Acetone	67-64-1	Experimental BCF - Other		Bioaccumulation factor	0.65	Other methods
Acetone	67-64-1	Experimental		Log Kow	-0.24	Other methods

3M SprayMount Adhesive.

		Bioconcentration				
Butane	106-97-8	Experimental Bioconcentration		Log Kow	2.88	Other methods
Cyclopentane	287-92-3	Experimental Bioconcentration		Log Kow	3.00	Other methods
n-hexane	110-54-3	Modeled Bioconcentration		Bioaccumulation factor	138	Other methods
Isobutane	75-28-5	Experimental Bioconcentration		Bioaccumulation factor	1.97	Other methods
Isobutane	75-28-5	Experimental Bioconcentration		Log Kow	2.76	Other methods
2-methyl butane	78-78-4	Modeled BCF - Other			65	Estimated: Bioconcentration factor
2-methyl butane	78-78-4	Experimental Bioaccumulation		Log Kow	2.30	Other methods
Methylcyclohexane	108-87-2	Laboratory BCF - Other	56 days	Bioaccumulation factor	321	OECD 305E - Bioaccumulation flow-through fish test
Pentane	109-66-0	Experimental Bioaccumulation		Log Kow	3.39	Other methods
Propane	74-98-6	No data available.	N/A	N/A	N/A	N/A

12.4. Mobility in soil

Please contact manufacturer for more details

12.5. Results of the PBT and vPvB assessment

No information available at this time, contact manufacturer for more details

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations

Dispose of waste product in a permitted industrial waste facility. Facility must be capable of handling aerosol cans. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC

3M SprayMount Adhesive.

and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

EU waste code (product as sold)

- 08 04 09* Waste adhesives and sealants containing organic solvents or other dangerous substances
- 16 05 04* Gases in pressure containers (including halons) containing dangerous substances

EU waste code (product container after use)

- 15 01 04 Metallic packaging

SECTION 14: Transportation information

GT-5000-6935-3, YP-2080-6050-6, YP-2080-6054-8

ADR/RID: UN1950, AEROSOLS, LIMITED QUANTITY, 2.1, (D), ADR Classification Code: 5F.

IMDG-CODE: UN1950, AEROSOLS, 2.1, LIMITED QUANTITY, EMS: FD,SU.

ICAO/IATA: UN1950, AEROSOLS, FLAMMABLE, 2.1.

YP-2080-6204-9

ADR/RID: UN1950, AEROSOLS, LIMITED QUANTITY, 2.1, (D), ADR Classification Code: 5F.

IMDG-CODE: UN1950, AEROSOLS, 2.1, LIMITED QUANTITY, EMS: FD,SU.

ICAO/IATA: UN1950, AEROSOLS, FLAMMABLE, 2.1.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Global inventory status

Contact 3M for more information.

15.2. Chemical Safety Assessment

Not applicable

SECTION 16: Other information

List of relevant H statements

EUH066	Repeated exposure may cause skin dryness or cracking.
H220	Extremely flammable gas.
H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

List of relevant R-phrases

R11	Highly flammable.
R12	Extremely flammable.
R36	Irritating to eyes.
R38	Irritating to skin.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms. 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.

Revision information:

Revision Changes:

Section 8: Respiratory protection - recommended respirators information was modified.

Risk phrase was modified.

Safety phrase was modified.

Section 8: Respiratory protection - recommended respirators was modified.

Section 1: Product identification numbers was modified.

Section 16: List of relevant R phrase information was modified.

Section 3: Composition/ Information of ingredients table was modified.

Section 2: Indication of danger information was modified.

Section 13: EU waste code (product as sold) information was modified.

Section 9: Flammability (solid, gas) information was modified.

Copyright was modified.

Section 8: Occupational exposure limit table was modified.

Aspiration Hazard Table was modified.

Section 11: Acute Toxicity table was modified.

Carcinogenicity Table was modified.

Serious Eye Damage/Irritation Table was modified.

Germ Cell Mutagenicity Table was modified.

Skin Sensitisation Table was modified.

Respiratory Sensitisation Table was modified.

Lactation Table was modified.

Reproductive Toxicity Table was modified.

Skin Corrosion/Irritation Table was modified.

Target Organs - Repeated Table was modified.

Target Organs - Single Table was modified.

Section 5: Fire - Extinguishing media information was modified.

Section 6: Accidental release clean-up information was modified.

Section 7: Precautions safe handling information was modified.

Section 7: Conditions safe storage was modified.

Section 13: Standard Phrase Category Waste GHS was modified.

Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. was modified.

Section 8: Respiratory protection - recommended respirators guide was added.

Section 12: Component ecotoxicity information was added.

Section 12: Persistence and Degradability information was added.

Section 13: EU waste code (product container after use) heading was added.

Section 13: EU waste code (product container after use) information was added.

Section 12: Biocumulative potential information was added.

Section 12: Component Ecotoxicity table Material column header was added.

Section 12: Component Ecotoxicity table CAS No column header was added.

Section 12: Component Ecotoxicity table Organism column header was added.

Section 12: Component Ecotoxicity table Type column header was added.

Section 12: Component Ecotoxicity table Exposure column header was added.

Section 12: Component Ecotoxicity table End point column header was added.
Section 12: Component Ecotoxicity table Result column header was added.
Section 12: Persistence and degradability table Material column header was added.
Section 12: Persistence and degradability table CAS No column header was added.
Section 12: Persistence and degradability table Test Type column header was added.
Section 12: Persistence and degradability table Duration column header was added.
Section 12: Persistence and degradability table Test Result column header was added.
Section 12: Persistence and degradability table Protocol column header was added.
Section 12: Biocumulative potential table Material column header was added.
Section 12: Biocumulative potential table CAS No column header was added.
Section 12: Biocumulative potential table CAS No column header was added.
Section 12: Biocumulative potential table Test Result column header was added.
Section 12: Biocumulative potential table Protocol column header was added.
Section 12: Biocumulative potential table Test Type column header was added.
Section 12: Persistence and degradability table Study Type column header was added.
Section 12: Biocumulative potential table Test Type column header was added.
Label: Graphic Text was added.
Label: Graphic Text was added.
Section 2: R phrase reference was added.
Label: Graphic was added.
Label: Graphic was added.
Label: Graphic Text was added.
Section 9: Flammability (solid, gas) information was added.
Section 2: Symbol was deleted.
Section 2: Symbols heading was deleted.
Prints No Data if Component ecotoxicity information is not present was deleted.
Prints No Data if Persistence and Degradability information is not present was deleted.
Prints No Data if Biocumulative potential information is not present was deleted.
Section 11: UN GHS Classification table heading was deleted.
Section 11: Lactation table - UN GHS Classification heading was deleted.
Section 8: Personal Protection - Respiratory Information was deleted.

DISCLAIMER: The information on this Safety 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.

3M United Kingdom MSDSs are available at www.3M.com/uk