Safety Data Sheet

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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 Super 77 Multipurpose Adhesive

Product identification numbers

62-4977-4930-9

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

Identified uses

general purpose aerosol adhesive

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.
Dangerous to environment.
Irritant.

2.2. Label elements

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

Symbols

F+	Extremely flammable.
Xi	Irritant.
N	Dangerous to 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.
S2	Keep out of the reach of children.
S23C	Do not breathe vapour or spray.
S51	Use only in well ventilated areas.
S24	Avoid contact with skin.
S62	If swallowed, do not induce vomiting: Seek medical advice immediately and show this container or label.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

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 for CAS 64742-49-0.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Non-volatile components	Trade Secret		20 - 30	
Acetone	67-64-1	EINECS 200-662-2	20 - 30	F:R11; Xi:R36; R66; R67 (EU) Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336; EUH066 (CLP)
Propane	74-98-6	EINECS 200-827-9	15 - 25	F+:R12 (EU) Flam. Gas 1, H220; Liquified gas, H280 - Nota U (CLP)
Naphtha (petroleum), hydrotreated light	64742-49-0	EINECS 265-151-9	10 - 20	Xn:R65 - Nota 4,P (EU) F:R11 (Vendor)

				R66; R67 (Self Classified) Asp. Tox. 1, H304 - Nota P (CLP) Flam. Liq. 2, H225 (Vendor) STOT SE 3, H336; EUH066 (Self Classified)
Cyclohexane	110-82-7	EINECS 203-806-2	10 - 20	F:R11; Xn:R65; Xi:R38; N:R50/53; R67 - Nota 4 (EU) Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Acute 1, H400,M=1; Aquatic Chronic 1, H410,M=1 (CLP)
n-hexane	110-54-3	EINECS 203-777-6	< 1	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 1, H372; 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
Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, 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

In case of fire: Use a fire fighting agent suitable for flammable liquids or gases such as dry chemical or carbon dioxide.

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	Condition
Aldehydes.	During combustion.
Carbon monoxide.	During combustion.
Carbon dioxide.	During combustion.

5.3. Advice for fire-fighters
No unusual fire or explosion hazards are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Evacuate area. 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
Contain spill. Collect as much of the spilled material as possible using non-sparking tools. 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. 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. Place in a metal container approved for transportation by appropriate authorities. 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
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. Use personal protective equipment (eg. gloves, respirators…) as required. Do not use in a confined area or areas with little or no air movement. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities
Store away from acids. Store away from oxidising agents. Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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
n-hexane	110-54-3	Health and Safety Comm. (UK)	TWA:72 mg/m3(20 ppm)	
Cyclohexane	110-82-7	Health and Safety Comm. (UK)	TWA:350 mg/m³(100 ppm);STEL:1050 mg/m³(300 ppm)	
Acetone	67-64-1	Health and Safety Comm. (UK)	TWA:1210 mg/m³(500 ppm);STEL:3620 mg/m³(1500 ppm)	
Propane	74-98-6	Health and Safety Comm. (UK)	Limit value not established:	asphyxiant

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

The following eye protection(s) are recommended: Safety glasses with side shields.

Skin/hand protection

Gloves made from the following material(s) are recommended: Polymer laminate

Respiratory protection

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:
Half facepiece or full facepiece air-purifying respirator suitable for organic vapours

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Gas. aerosol
Specific Physical Form:	Aerosol
Appearance/Odour	Clear, sweet, fruity odour
pH	*No data available.*

Boiling point/boiling range	*Not applicable.*
Melting point	*No data available.*
Flammability (solid, gas)	Flammable Aerosol: Category 1.
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	-41.1 ºC [*Test Method:*Tagliabue closed cup]
Autoignition temperature	*No data available.*
Flammable Limits(LEL)	*No data available.*
Flammable Limits(UEL)	*No data available.*
Relative density	0.726 [*Ref Std:*WATER=1]
Water solubility	Nil
Partition coefficient: n-octanol/water	*No data available.*
Evaporation rate	1.90 [*Ref Std:*ETHER=1]
Vapour density	2.97 [*Ref Std:*AIR=1]
Viscosity	*Not applicable.*
Density	0.726 g/ml

9.2. Other information

Hazardous air pollutants	<=0.4 % weight [*Test Method:*Calculated]
Volatile organic compounds (VOC)	<=537 g/l [*Details:*EU VOC content]
Percent volatile	<=75 % weight [*Details:*all volatiles]
VOC less H2O & exempt solvents	<=51 % [*Test Method:*calculated SCAQMD rule 443.1]
VOC less H2O & exempt solvents	<=3.82 lb/gal [*Test Method:*calculated SCAQMD rule 443.1]
VOC less H2O & exempt solvents	<=458 g/l [*Test Method:*calculated SCAQMD rule 443.1]
Solids content	>=22.4 %

SECTION 10: Stability and reactivity

10.1 Reactivity
This material is considered to be non reactive under normal use conditions

10.2 Chemical stability
Stable.

10.3 Possibility of hazardous reactions
Hazardous polymerisation will not occur.

10.4 Conditions to avoid
Heat.

10.5 Incompatible materials
Strong oxidising agents.

10.6 Hazardous decomposition products

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

Skin contact
Contact with the skin during product use is not expected to result in significant irritation.

Inhalation
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
Propane	Inhalation-Gas (4 hours)	Rat	LC50 > 200,000 ppm
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
Cyclohexane	Dermal	Rat	LD50 > 2,000 mg/kg
Cyclohexane	Inhalation-Vapor (4 hours)	Rat	LC50 14 mg/l
Cyclohexane	Ingestion	Rat	LD50 6,200 mg/kg
Naphtha (petroleum), hydrotreated light	Dermal	Rabbit	LD50 > 3,160 mg/kg
Naphtha (petroleum), hydrotreated light	Inhalation-Vapor (4 hours)	Rat	LC50 > 14.7 mg/l
Naphtha (petroleum), hydrotreated light	Ingestion	Rat	LD50 > 5,000 mg/kg
Non-volatile components	Ingestion		LD50 estimated to be 2,000 - 5,000 mg/kg

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

Skin Corrosion/Irritation

Name	Species	Value
Propane		Minimal irritation
Acetone		Minimal irritation
Cyclohexane		Mild irritant
Naphtha (petroleum), hydrotreated light		No data available
Non-volatile components		Minimal irritation
n-hexane		Mild irritant

Serious Eye Damage/Irritation

Name	Species	Value
Propane		Mild irritant
Acetone		No data available
Cyclohexane		Mild irritant
Naphtha (petroleum), hydrotreated light		Mild irritant
Non-volatile components		No data available
n-hexane		Mild irritant

Skin Sensitisation

Name	Species	Value
Propane		No data available
Acetone		No data available
Cyclohexane		No data available
Naphtha (petroleum), hydrotreated light		Not sensitizing
Non-volatile components		No data available
n-hexane		Not sensitizing

Respiratory Sensitisation

Name	Species	Value
Propane		No data available
Acetone		No data available
Cyclohexane		No data available
Naphtha (petroleum), hydrotreated light		No data available
Non-volatile components		No data available
n-hexane		No data available

Germ Cell Mutagenicity

Name	Route	Value
Propane	In Vitro	Not mutagenic
Acetone	In vivo	Some positive data exist, but the data are not sufficient for classification
Cyclohexane	In Vitro	Not mutagenic
Naphtha (petroleum), hydrotreated light	In Vitro	Not mutagenic
Non-volatile components		No data available
n-hexane	In vivo	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Propane			No data available
Acetone	Not specified.		Not carcinogenic
Cyclohexane			No data available

Naphtha (petroleum), hydrotreated light	Inhalation		Some positive data exist, but the data are not sufficient for classification
Non-volatile components			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
Propane		No data available			
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	
Cyclohexane	Inhalation	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOEL 6.9 mg/l	
Naphtha (petroleum), hydrotreated light	Inhalation	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOAEL 3,000 ppm	
Non-volatile components		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
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	
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	hematoppoitic 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	
Cyclohexane	Inhalation	central nervous system depression	May cause drowsiness or dizziness		LOAEL 0.09 mg/l	
Cyclohexane	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
Naphtha (petroleum), hydrotreated light	Ocular	lacrimation	Some positive data exist, but the data are not sufficient for classification		LOEL 900 ppm	
Non-volatile components	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
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
Propane			No data available			
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	
Cyclohexane	Inhalation	hematopoietic system | liver	Some positive data exist, but the data are not sufficient for classification		NOEL 6.9 mg/l	
Cyclohexane	Inhalation	auditory system	Some positive data exist, but the		NOEL 1.7 mg/l	

			data are not sufficient for classification			
Cyclohexane	Inhalation	peripheral nervous system	All data are negative		NOAEL 8.6 mg/l	
Naphtha (petroleum), hydrotreated light	Dermal	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOAEL 100 ppm	
Naphtha (petroleum), hydrotreated light	Inhalation	endocrine system	Some positive data exist, but the data are not sufficient for classification		LOEL 900 ppm	
Naphtha (petroleum), hydrotreated light	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOAEL 900 ppm	
Naphtha (petroleum), hydrotreated light	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification		NOEL 3,000 ppm	
Naphtha (petroleum), hydrotreated light	Inhalation	central nervous system | peripheral nervous system	All data are negative		NOEL 9,000 ppm	
Naphtha (petroleum), hydrotreated light	Inhalation	hematopoietic system	All data are negative		NOEL 0.23 mg/l	
Naphtha (petroleum), hydrotreated light	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A	
Non-volatile components			No data available			
n-hexane	Inhalation	peripheral nervous system	Causes damage to organs through prolonged or repeated exposure		NOAEL N/A	
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		LOEL 1.4 mg/l	

			data are not sufficient for classification			
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 classification		NOEL 40 mg/kg/day	
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
Propane	Not an aspiration hazard
Acetone	Not an aspiration hazard
Cyclohexane	Aspiration hazard
Naphtha (petroleum), hydrotreated light	Aspiration hazard
Non-volatile components	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 2: Toxic to aquatic life with long lasting effects.

Chronic aquatic hazard:
Not chronically toxic to aquatic life by GHS criteria.

No product test data available.
No component test data available.

12.2. Persistence and degradability
No test data available.

12.3 : Bioaccumulative potential
No test data available.

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

Facility must be capable of handling aerosol cans.

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 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
20 01 27*	Paint, inks, adhesives and resins containing dangerous substances

EU waste code (product container after use)

15 01 04	Metallic packaging

SECTION 14: Transportation information

62-4977-4930-9

ADR/RID: UN1950, AEROSOLS, LIMITED QUANTITY, 2.1, (D), ADR Classification Code: 5F.
IMDG-CODE: UN1950, AEROSOLS, 2.1, 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. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. The components of this product are in compliance with the chemical notification requirements of TSCA.

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.
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.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic 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.
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.
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.
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 11: Health Effects - Inhalation information was modified.
Section 6: Accidental release personal information was modified.
Section 6: Accidental release clean-up information was modified.
Section 7: Precautions safe handling information was modified.
Section 11: UN GHS Classification table heading was deleted.
Section 11: Lactation table - UN GHS Classification heading was deleted.

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