



Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006), as amended for GB.

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

1.1. Product identifier

3M™ VHB™ Tape Water-Based Promoter UV, White

Product Identification Numbers

70-0111-2030-3	70-0111-2031-1	70-0111-2032-9
7100359704	7100359806	7100359742

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

Identified uses

Adhesion promoter.

1.3. Details of the supplier of the safety data sheet

Address:	3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.
Telephone:	+44 (0)1344 858 000
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

The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

CLASSIFICATION:

This material is not classified as hazardous according to Regulation (EC) No. 1272/2008, as amended for Great Britain, on classification, labelling, and packaging of substances and mixtures.

2.2. Label elements

The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

Not applicable

SUPPLEMENTAL INFORMATION:**Supplemental Hazard Statements:**

EUH210

Safety data sheet available on request.

2.3. Other hazards

None known.

This material does not contain any substances that are assessed to be a PBT or vPvB

SECTION 3: Composition/information on ingredients**3.1. Substances**

Not applicable

3.2. Mixtures

Ingredient	Identifier(s)	%	Classification according to Regulation (EC) No. 1272/2008 [CLP], as amended for GB
Water	(CAS-No.) 7732-18-5 (EC-No.) 231-791-2	60 - 80	Substance not classified as hazardous
(2-Methoxymethylethoxy)propanol	(CAS-No.) 34590-94-8 (EC-No.) 252-104-2	15 - 30	Substance with a national occupational exposure limit
Non-Hazardous Ingredients	Trade Secret	< 15	Substance not classified as hazardous
2-dimethylaminoethanol	(CAS-No.) 108-01-0 (EC-No.) 203-542-8	< 1	Flam. Liq. 3, H226 Acute Tox. 3, H331 Acute Tox. 4, H312 Acute Tox. 4, H302 Skin Corr. 1B, H314 STOT SE 3, H335 Eye Dam. 1, H318
ammonia	(CAS-No.) 1336-21-6 (EC-No.) 215-647-6	< 1	Skin Corr. 1B, H314 STOT SE 3, H335 Aquatic Acute 1, H400,M=1 Nota B Met. Corr. 1, H290 Aquatic Chronic 2, H411
1,4-dihydroxybenzene	(CAS-No.) 123-31-9 (EC-No.) 204-617-8	< 0.05	Acute Tox. 4, H302 Eye Dam. 1, H318 Skin Sens. 1B, H317 Muta. 2, H341 Carc. 2, H351 Aquatic Acute 1, H400,M=10 Aquatic Chronic 1, H410,M=1

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

Specific Concentration Limits

Ingredient	Identifier(s)	Specific Concentration Limits
ammonia	(CAS-No.) 1336-21-6 (EC-No.) 215-647-6	(C >= 5%) STOT SE 3, H335
2-dimethylaminoethanol	(CAS-No.) 108-01-0 (EC-No.) 203-542-8	(C >= 5%) STOT SE 3, H335

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****Inhalation**

No need for first aid is anticipated. If symptoms develop, remove the affected person to fresh air. Get medical attention.

Skin contact

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

Eye contact

If exposed, flush eyes with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms develop, get medical attention.

If swallowed

Do not induce vomiting. Rinse mouth. If you feel unwell, get medical attention.

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

No critical symptoms or effects. See Section 11.1, information on toxicological effects.

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

Not applicable.

SECTION 5: Fire-fighting measures**5.1. Extinguishing media**

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products**Substance**

Aldehydes.
Carbon monoxide
Carbon dioxide.
Hydrogen gas.
Irritant vapours or gases.
Ammonia
Oxides of nitrogen.

Condition

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

5.3. Advice for fire-fighters

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS. 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.

6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. 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**

Avoid release to the environment.

7.2. Conditions for safe storage including any incompatibilities

Store away from heat. Store away from acids. Store away from strong bases.

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**

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
2-dimethylaminoethanol	108-01-0	UK HSE	TWA:7.4 mg/m ³ (2 ppm);STEL:22 mg/m ³ (6 ppm)	
1,4-dihydroxybenzene	123-31-9	UK HSE	TWA: 0.5 mg/m ³	

Ammonia	1336-21-6	UK HSE	TWA:18 mg/m3(25 ppm);STEL:25 mg/m3(35 ppm)	
Ammonia released from ammonium hydroxide/aqueous ammonia solutions	1336-21-6	UK HSE	TWA:18 mg/m3(25 ppm);STEL:25 mg/m3(35 ppm)	
(2-Methoxymethylethoxy)propanol	34590-94-8	UK HSE	TWA:308 mg/m3(50 ppm)	SKIN

UK HSE : UK Health and Safety Commission
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

Biological limit values

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

8.2. Exposure controls

8.2.1. Engineering controls

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

None required.

Skin/hand protection

No chemical protective gloves are required.

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

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

Applicable Norms/Standards

Use a respirator conforming to EN 140 or EN 136: filter types A & P

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Specific Physical Form:	Liquid.
Colour	White
Odor	Mild Solvent
Odour threshold	No data available.
Melting point/freezing point	Not applicable.
Boiling point/boiling range	>=100 °C
Flammability	Not applicable.
Flammable Limits(LEL)	No data available.
Flammable Limits(UEL)	No data available.

Flash point	No flash point
Autoignition temperature	No data available.
Decomposition temperature	No data available.
pH	>=8.5
Kinematic Viscosity	No data available.
Water solubility	<=100 % [Details:@77F]
Solubility- non-water	No data available.
Partition coefficient: n-octanol/water	No data available.
Vapour pressure	2,666.4 Pa [Details:@68F]
Density	>=1 g/ml
Relative density	1 [Ref Std: WATER=1] [Details:@77F]
Relative Vapour Density	No data available.
Particle Characteristics	Not applicable.

9.2. Other information

9.2.2 Other safety characteristics

Average particle size	No data available.
Bulk density	No data available.
EU Volatile Organic Compounds	No data available.
Evaporation rate	No data available.
Molecular weight	No data available.
Percent volatile	87 %
Softening point	No data available.

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

Heat.

10.5 Incompatible materials

Strong bases.

Strong acids.

No data available.

10.6 Hazardous decomposition products

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

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not agree with the material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from 3M assessments.

11.1. Information on hazard classes as defined in the retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain.

Signs and Symptoms of Exposure

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

Inhalation

No known health effects.

Skin contact

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

Eye contact

Contact with the eyes during product use is not expected to result in significant irritation.

Ingestion

No known health effects.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Inhalation-Vapour(4 hr)		No data available; calculated ATE >50 mg/l
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
(2-Methoxymethylethoxy)propanol	Dermal	Rabbit	LD50 > 19,000 mg/kg
(2-Methoxymethylethoxy)propanol	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 50 mg/l
(2-Methoxymethylethoxy)propanol	Ingestion	Rat	LD50 5,180 mg/kg
ammonia	Ingestion	Rat	LD50 350 mg/kg
2-dimethylaminoethanol	Dermal	Rabbit	LD50 1,219 mg/kg
2-dimethylaminoethanol	Inhalation-Vapour (4 hours)	Rat	LC50 6 mg/l
2-dimethylaminoethanol	Ingestion	Rat	LD50 1,183 mg/kg
1,4-dihydroxybenzene	Dermal	Rat	LD50 > 4,800 mg/kg
1,4-dihydroxybenzene	Ingestion	Rat	LD50 302 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
(2-Methoxymethylethoxy)propanol	Human and animal	No significant irritation
ammonia	Rabbit	Corrosive
2-dimethylaminoethanol	Rabbit	Corrosive
1,4-dihydroxybenzene	Human and	Minimal irritation

	animal	
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Serious Eye Damage/Irritation

Name	Species	Value
(2-Methoxymethylethoxy)propanol	Rabbit	Mild irritant
ammonia	Rabbit	Corrosive
2-dimethylaminoethanol	Rabbit	Corrosive
1,4-dihydroxybenzene	Human	Corrosive

Skin Sensitisation

Name	Species	Value
(2-Methoxymethylethoxy)propanol	Human	Not classified
2-dimethylaminoethanol	Mouse	Not classified
1,4-dihydroxybenzene	Guinea pig	Sensitising

Respiratory Sensitisation

For the component/components, either no data is currently available or the data is not sufficient for classification.

Germ Cell Mutagenicity

Name	Route	Value
(2-Methoxymethylethoxy)propanol	In Vitro	Not mutagenic
2-dimethylaminoethanol	In Vitro	Not mutagenic
2-dimethylaminoethanol	In vivo	Not mutagenic
1,4-dihydroxybenzene	In Vitro	Some positive data exist, but the data are not sufficient for classification
1,4-dihydroxybenzene	In vivo	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
1,4-dihydroxybenzene	Dermal	Mouse	Not carcinogenic
1,4-dihydroxybenzene	Ingestion	Multiple animal species	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
(2-Methoxymethylethoxy)propanol	Inhalation	Not classified for development	Multiple animal species	NOAEL 1.82 mg/l	during organogenesis
2-dimethylaminoethanol	Ingestion	Not classified for female reproduction	Rat	NOAEL 150 mg/kg/day	2 generation
2-dimethylaminoethanol	Ingestion	Not classified for male reproduction	Rat	NOAEL 150 mg/kg/day	2 generation
2-dimethylaminoethanol	Inhalation	Not classified for development	Rat	NOAEL 0.3 mg/l	during organogenesis
2-dimethylaminoethanol	Ingestion	Not classified for development	Rabbit	NOAEL 100 mg/kg/day	during gestation
1,4-dihydroxybenzene	Ingestion	Not classified for female reproduction	Rat	NOAEL 150 mg/kg/day	2 generation
1,4-dihydroxybenzene	Ingestion	Not classified for male reproduction	Rat	NOAEL 150 mg/kg/day	2 generation
1,4-dihydroxybenzene	Ingestion	Not classified for development	Rat	NOAEL 100 mg/kg/day	during organogenesis

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

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
(2-Methoxymethylethoxy)propanol	Dermal	central nervous system depression	Not classified	Rabbit	NOAEL 2,850 mg/kg	
(2-Methoxymethylethoxy)propanol	Inhalation	central nervous system depression	Not classified	Rat	LOAEL 3.07 mg/l	7 hours
(2-Methoxymethylethoxy)propanol	Ingestion	central nervous system depression	Not classified	Rat	LOAEL 5,000 mg/kg	
ammonia	Inhalation	respiratory irritation	May cause respiratory irritation	Human	NOAEL not available	
2-dimethylaminoethanol	Inhalation	respiratory irritation	May cause respiratory irritation	similar health hazards	NOAEL Not available mg/l	
1,4-dihydroxybenzene	Ingestion	nervous system	May cause damage to organs	Rat	NOAEL Not available	not applicable
1,4-dihydroxybenzene	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 400 mg/kg	not applicable

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
(2-Methoxymethylethoxy)propanol	Dermal	kidney and/or bladder heart endocrine system hematopoietic system liver respiratory system	Not classified	Rabbit	NOAEL 9,500 mg/kg/day	90 days
(2-Methoxymethylethoxy)propanol	Inhalation	heart hematopoietic system liver immune system nervous system eyes kidney and/or bladder	Not classified	Rat	NOAEL 1.21 mg/l	90 days
(2-Methoxymethylethoxy)propanol	Ingestion	liver heart endocrine system bone, teeth, nails, and/or hair hematopoietic system immune system nervous system kidney and/or bladder respiratory system	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
2-dimethylaminoethanol	Inhalation	respiratory system	Not classified	Rat	NOAEL 0.088 mg/l	13 weeks
2-dimethylaminoethanol	Inhalation	eyes	Not classified	Rat	NOAEL 0.029 mg/l	13 weeks
2-dimethylaminoethanol	Inhalation	endocrine system hematopoietic system liver nervous system kidney and/or bladder	Not classified	Rat	NOAEL 0.28 mg/l	13 weeks
2-dimethylaminoethanol	Ingestion	nervous system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 89 mg/kg/day	58 days
2-dimethylaminoethanol	Ingestion	gastrointestinal tract liver immune system	Not classified	Rat	NOAEL 150 mg/kg/day	28 days

1,4-dihydroxybenzene	Ingestion	blood	Not classified	Rat	NOAEL Not available	40 days
1,4-dihydroxybenzene	Ingestion	bone marrow liver	Not classified	Rat	NOAEL Not available	9 weeks
1,4-dihydroxybenzene	Ingestion	kidney and/or bladder	Not classified	Rat	LOAEL 50 mg/kg/day	15 months
1,4-dihydroxybenzene	Ocular	eyes	Not classified	Human	NOAEL Not available	occupational exposure

Aspiration Hazard

For the component/components, either no data is currently available or the data is not sufficient for classification.

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.

11.2. Information on other hazards

This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

SECTION 12: Ecological information

The information below may not agree with the material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

12.1. Toxicity

No product test data available.

Material	CAS #	Organism	Type	Exposure	Test endpoint	Test result
(2-Methoxymethylethoxy)propanol	34590-94-8	Bacteria	Experimental	18 hours	EC10	4,168 mg/l
(2-Methoxymethylethoxy)propanol	34590-94-8	Fathead minnow	Experimental	96 hours	LC50	>10,000 mg/l
(2-Methoxymethylethoxy)propanol	34590-94-8	Green algae	Experimental	72 hours	ErC50	>969 mg/l
(2-Methoxymethylethoxy)propanol	34590-94-8	Water flea	Experimental	48 hours	LC50	1,919 mg/l
(2-Methoxymethylethoxy)propanol	34590-94-8	Green algae	Experimental	72 hours	EC10	133 mg/l
Non-Hazardous Ingredients	Trade Secret	N/A	Data not available or insufficient for classification	N/A	N/A	N/A % weight
ammonia	1336-21-6	Invertebrate	Estimated	48 hours	EC50	21 mg/l
ammonia	1336-21-6	Rainbow trout	Estimated	96 hours	LC50	1.8 mg/l
ammonia	1336-21-6	Water flea	Estimated	48 hours	LC50	7.36 mg/l
ammonia	1336-21-6	Rainbow trout	Estimated	73 days	NOEC	0.0278 mg/l
ammonia	1336-21-6	Water flea	Estimated	21 days	NOEC	1.1 mg/l
2-dimethylaminoethanol	108-01-0	Activated sludge	Experimental	30 minutes	EC20	>1,000 mg/l

2-dimethylaminoethanol	108-01-0	Golden Orfe	Experimental	96 hours	LC50	146 mg/l
2-dimethylaminoethanol	108-01-0	Green algae	Experimental	72 hours	EC50	66.08 mg/l
2-dimethylaminoethanol	108-01-0	Water flea	Experimental	48 hours	EC50	98.37 mg/l
2-dimethylaminoethanol	108-01-0	Green algae	Experimental	72 hours	EC10	24.49 mg/l
1,4-dihydroxybenzene	123-31-9	Activated sludge	Experimental	2 hours	IC50	71 mg/l
1,4-dihydroxybenzene	123-31-9	Green algae	Experimental	72 hours	ErC50	0.053 mg/l
1,4-dihydroxybenzene	123-31-9	Rainbow trout	Experimental	96 hours	LC50	0.044 mg/l
1,4-dihydroxybenzene	123-31-9	Water flea	Experimental	48 hours	EC50	0.061 mg/l
1,4-dihydroxybenzene	123-31-9	Fathead minnow	Experimental	32 days	NOEC	>=0.066 mg/l
1,4-dihydroxybenzene	123-31-9	Green algae	Experimental	72 hours	NOEC	0.0015 mg/l
1,4-dihydroxybenzene	123-31-9	Water flea	Experimental	21 days	NOEC	0.0029 mg/l

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
(2-Methoxymethylethoxy)propanol	34590-94-8	Experimental Biodegradation	28 days	BOD	75 %BOD/ThOD	OECD 301F - Manometric respirometry
(2-Methoxymethylethoxy)propanol	34590-94-8	Experimental Aquatic Inherent Biodegrad.	13 days	Dissolv. Organic Carbon Deplet	94 %removal of DOC	OECD 302B Zahn-Wellens/EVPA
Non-Hazardous Ingredients	Trade Secret	Data not available/insufficient	N/A	N/A	N/A	N/A
ammonia	1336-21-6	Analogous Compound Soil Metabolism Aerobic		Half-life (t 1/2)	6 hours (t 1/2)	
2-dimethylaminoethanol	108-01-0	Experimental Biodegradation	14 days	BOD	60.5 %BOD/ThOD	OECD 301C - MITI test (I)
1,4-dihydroxybenzene	123-31-9	Experimental Biodegradation	14 days	BOD	70 %BOD/ThOD	OECD 301C - MITI test (I)

12.3 : Bioaccumulative potential

Material	Cas No.	Test type	Duration	Study Type	Test result	Protocol
(2-Methoxymethylethoxy)propanol	34590-94-8	Experimental Bioconcentration		Log Kow	0.004	OECD 107 log Kow shke flask mtd
Non-Hazardous Ingredients	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
ammonia	1336-21-6	Analogous Compound Bioconcentration		Log Kow	-1.14	OECD 107 log Kow shke flask mtd
2-dimethylaminoethanol	108-01-0	Experimental Bioconcentration		Log Kow	-0.55	
1,4-dihydroxybenzene	123-31-9	Experimental Bioconcentration		Log Kow	0.59	

12.4. Mobility in soil

Material	Cas No.	Test type	Study Type	Test result	Protocol
1,4-dihydroxybenzene	123-31-9	Modeled Mobility in Soil	Koc	40 l/kg	Episuite™

12.5. Results of the PBT and vPvB assessment

This material does not contain any substances that are assessed to be a PBT or vPvB

12.6. Other adverse effects

This material does not contain any substances that are assessed to be an endocrine disruptor for environmental effects

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. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. 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 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 10 Waste adhesives and sealants other than those mentioned in 08 04 09

SECTION 14: Transportation information

Not hazardous for transportation.

	Ground Transport (ADR)	Air Transport (IATA)	Marine Transport (IMDG)
14.1 UN number	No data available.	No data available.	No data available.
14.2 UN proper shipping name	No data available.	No data available.	No data available.
14.3 Transport hazard class(es)	No data available.	No data available.	No data available.
14.4 Packing group	No data available.	No data available.	No data available.
14.5 Environmental hazards	No data available.	No data available.	No data available.
14.6 Special precautions for user	Please refer to the other sections of the SDS for	Please refer to the other sections of the SDS for further	Please refer to the other sections of the SDS for further information.

	further information.	information.	
14.7 Transport in bulk according to Annex II of Marpol 73/78 and IBC Code	No data available.	No data available.	No data available.
Control Temperature	No data available.	No data available.	No data available.
Emergency Temperature	No data available.	No data available.	No data available.
ADR Classification Code	No data available.	No data available.	No data available.
IMDG Segregation Code	No data available.	No data available.	No data available.

Please contact the address or phone number listed on the first page of the SDS for additional information on the transport/shipment of the material by rail (RID) or inland waterways (ADN).

SECTION 15: Regulatory information

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

Carcinogenicity

<u>Ingredient</u>	<u>CAS Nbr</u>	<u>Classification</u>	<u>Regulation</u>
1,4-dihydroxybenzene	123-31-9	Carc. 2	The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain, UK Mandatory Classification and Labelling list
1,4-dihydroxybenzene	123-31-9	Gr. 3: Not classifiable	International Agency for Research on Cancer

Global inventory status

Contact 3M for more information.

COMAH Regulation, SI 2015/483

Seveso hazard categories, Annex 1, Part 1

None

Seveso named dangerous substances, Annex 1, Part 2

Dangerous Substances	Identifier(s)	Qualifying quantity (tonnes) for the application of	
		Lower-tier requirements	Upper-tier requirements
ammonia	1336-21-6	50	200
ammonia	1336-21-6	100	200

1,4-dihydroxybenzene	123-31-9	100	200
2-dimethylaminoethanol	108-01-0	10	50

Regulation (EU) No 649/2012, as amended for GB

No chemicals listed

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for this substance/mixture in accordance with Regulation (EC) No 1907/2006, as amended for GB.

SECTION 16: Other information**List of relevant H statements**

H226	Flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
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.

Revision information:

EU Section 09: pH information information was modified.
Section 1: Product identification numbers information was added.
Section 01: SAP Material Numbers information was added.
Section 3: Composition/ Information of ingredients table information was modified.
Section 6: Accidental release personal information information was modified.
Section 8: Occupational exposure limit table information was modified.
OEL Reg Agency Desc information was modified.
Section 9: Flash point information information was modified.
Section 11: Acute Toxicity table information was modified.
Section 11: Reproductive Toxicity Table information was modified.
Section 11: Serious Eye Damage/Irritation Table information was modified.
Section 11: Target Organs - Repeated Table information was modified.
Section 11: Target Organs - Single Table information was modified.

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