Safety Data Sheet

Document group:	45-0876-8	**Version number:**	1.00
Revision date:	04/02/2025	**Supersedes date:**	Initial issue.

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™ 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 Ireland Limited, The Iveagh Building, The Park, Carrickmines, Dublin 18.
Telephone: +353 1 280 3555
E Mail: tox.uk@mmm.com
Website: www.3M.com

1.4. Emergency telephone number
+44 (0)1344 858 000

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture
CLP REGULATION (EC) No 1272/2008

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

2.2. Label elements
CLP REGULATION (EC) No 1272/2008
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]
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 Union workplace 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	Condition
Aldehydes.	During combustion.
Carbon monoxide	During combustion.
Carbon dioxide.	During combustion.
Hydrogen gas.	During combustion.
Irritant vapours or gases.	During combustion.
Ammonia	During combustion.
Oxides of nitrogen.	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
1,4-dihydroxybenzene	123-31-9	Ireland OELs	TWA(8 hours):0.5 mg/m3	
Ammonia	1336-21-6	Ireland OELs	TWA(8 hours):14 mg/m3(20 ppm);STEL(15 minutes):36 mg/m3(50 ppm)	
(2-Methoxymethylethoxy)propanol	34590-94-8	Ireland OELs	TWA(8 hours):308 mg/m3(50 ppm);TWA(8 hours):50 ppm(308 mg/m3)	SKIN

Ireland OELs : Ireland. OELs

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.

Recommended monitoring procedures: Information on recommended monitoring procedures can be obtained from Indust. Inspect./Ministry (IE)

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 ºC
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

Substance	**Condition**
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 EU 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 internal hazard assessments.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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 animal	Minimal irritation

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 EU 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 availbl-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 flsk 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 flsk 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. Endocrine disrupting properties

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

12.7. 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. 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 or ID 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 further information.	Please refer to the other sections of the SDS for further information.	Please refer to the other sections of the SDS for further information.

14.7 Marine Transport in bulk according to IMO instruments	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

Ingredient	CAS Nbr	Classification	Regulation
1,4-dihydroxybenzene	123-31-9	Carc. 2	Regulation (EC) No. 1272/2008, Table 3.1
1,4-dihydroxybenzene	123-31-9	Gr. 3: Not classifiable	International Agency for Research on Cancer

Global inventory status
Contact 3M for more information.

DIRECTIVE 2012/18/EU
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

Regulation (EU) No 649/2012
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.

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:
No revision information

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