



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 Scotchkote Epoxy Ceramic Surfacers CR 511 (N) Pt B

Product identification numbers

GR-2001-4398-4 GR-2001-4399-2

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

Identified uses

Coating.

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

Harmful; Xn; R20/22

Corrosive; C; R35

Sensitizing; R43

For full text of R phrases, see Section 16.

2.2. Label elements

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

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Symbol(s)



Corrosive

Contains:

Benzyl Alcohol; m-phenylenebis(methylamine)

Risk phrases

R20/22	Harmful by inhalation and if swallowed.
R35	Causes severe burns.
R43	May cause sensitisation by skin contact.

Safety phrases

S23A	Do not breathe vapour.
S36/37/39B	Wear suitable protective clothing, gloves, and eye and face protection.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28C	After contact with skin, wash immediately with plenty of water for 15 minutes.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

2.3. Other hazards

Persons previously sensitised to amines may develop a cross-sensitisation reaction to certain other amines. May cause chemical gastrointestinal burns.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Benzyl Alcohol	100-51-6	EINECS 202-859-9	30 - 60	Xn:R20-22 (EU) Acute Tox. 4, H332; Acute Tox. 4, H302 (CLP)
Formaldehyde, polymer with benzenamine, hydrogenated	135108-88-2		20 - 30	C:R34; Xn:R22 (Vendor) Acute Tox. 4, H302; Skin Corr. 1B, H314 (Vendor)
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine)	57214-10-5	NLP 500-137-0	10 - 20	C:R34 (Vendor) Skin Corr. 1B, H314 (Vendor)
m-phenylenebis(methylamine)	1477-55-0	EINECS 216-032-5	5 - 15	T:R23; C:R35; Xn:R22; R43; R52/53 (Self Classified) Acute Tox. 3, H331; Acute Tox. 4, H302; Skin Corr. 1A, H314; Skin Sens. 1, H317; Aquatic Chronic 3, H412 (Self Classified)
4,4'-Methylenebis(cyclohexylamine)	1761-71-3	EINECS 217-168-8	1 - 5	C:R35 (Vendor) Xn:R22 (Self Classified) Skin Corr. 1A, H314 (Vendor) Acute Tox. 4, H302 (Self Classified)

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Salicylic acid	69-72-7	EINECS 200-712-3	1 - 5	Classified) Repr.Cat.3:R63; Xn:R22; Xi:R36 (Self Classified) Acute Tox. 4, H302; Eye Irrit. 2, H319; Repr. 2, H361d (Self Classified)
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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

Inhalation

Remove person to fresh air. If you feel unwell, get medical attention.

Skin contact

Immediately flush with large amounts of water for at least 15 minutes. Remove contaminated clothing. Get immediate medical attention. Wash clothing before reuse.

Eye contact

Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention.

If swallowed

Rinse mouth. Do not induce vomiting. Get immediate 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

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

Carbon monoxide.
Carbon dioxide.
Oxides of nitrogen.

Condition

During combustion.
During combustion.
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

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Warning: A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode.

6.2. Environmental precautions

Avoid release to the environment.

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 toxic, corrosivity or flammability hazard. 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 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

For industrial or professional use only. Do not handle until all safety precautions have been read and understood. 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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (eg. gloves, respirators...) as required.

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Store away from heat. Keep from freezing. Store away from acids. Store away from strong bases. Store away from oxidising agents. Store away from areas where product may come into contact with food or pharmaceuticals.

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

No occupational exposure 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)

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Eye/face protection

Wear eye/face protection. Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Full face shield.

Indirect vented goggles.

Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Wear protective gloves and protective clothing.

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

The following protective clothing material(s) are recommended: Apron - polymer laminate

Respiratory protection

In case of inadequate ventilation wear 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.
Appearance/Odour	Ammonia Odour, Amber Colour
Odour threshold	No data available.
pH	> 8 [Details: Alkaline]
Boiling point/boiling range	107.2 - 222 °C
Melting point	Not applicable.
Flammability (solid, gas)	Not applicable.
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	≥104 °C [Test Method: Closed Cup]
Autoignition temperature	No data available.
Flammable Limits(LEL)	No data available.
Flammable Limits(UEL)	No data available.
Vapour pressure	93.3 - 999.9 Pa [@ 25 °C]
Relative density	1.080 [Ref Std: WATER=1]
Water solubility	0 %
Solubility- non-water	No data available.
Partition coefficient: n-octanol/water	No data available.
Evaporation rate	No data available.
Vapour density	No data available.

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Decomposition temperature	No data available.
Viscosity	No data available.
Density	1.08 g/ml

9.2. Other information

Volatile organic compounds (VOC)	0 g/l [Details:Part B]
Percent volatile	0 %

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

Avoid curing large quantities of material to prevent a premature reaction (exotherm) with production of intense heat and smoke.

10.5 Incompatible materials

Amines.

Reaction with water, alcohols, and amines is not hazardous if container can vent to the atmosphere to prevent pressure buildup.

Strong acids.

Strong bases.

Strong oxidising agents.

10.6 Hazardous decomposition products

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

Refer to section 5.2 for hazardous decomposition products during combustion.

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:

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Inhalation

Harmful if inhaled. 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.

Skin contact

Corrosive (skin burns): Signs/symptoms may include localised redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching. May cause target organ effects after skin contact.

Eye contact

Corrosive (eye burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

Ingestion

Harmful if swallowed.

Gastrointestinal corrosion: Signs/symptoms may include severe mouth, throat and abdominal pain, nausea, vomiting, and diarrhea; blood in the faeces and/or vomitus may also be seen. May cause target organ effects after ingestion.

Target Organ Effects:

Single exposure may cause:

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

Reproductive/Developmental Toxicity:

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

Additional information:

Persons previously sensitised to amines may develop a cross-sensitisation reaction to certain other amines.

Toxicological Data

Acute Toxicity

Name	Route	Species	Value
Overall product	Inhalation-Dust/Mist(4 hr)		Data not available or insufficient for classification; calculated ATE1 - 5 mg/l
Overall product	Ingestion		Data not available or insufficient for classification; calculated ATE1,954 mg/kg
Benzyl Alcohol	Inhalation-Dust/Mist (4 hours)	Rat	LC50 8.8 mg/l
Benzyl Alcohol	Ingestion	Rat	LD50 1,230 mg/kg
Formaldehyde, polymer with benzenamine, hydrogenated			Data not available or insufficient for classification
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine)			Data not available or insufficient for classification
m-phenylenebis(methylamine)	Dermal	Rabbit	LD50 > 2,000 mg/kg
m-phenylenebis(methylamine)	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.8 mg/l
m-phenylenebis(methylamine)	Ingestion	Rat	LD50 980 mg/kg
4,4'-Methylenebis(cyclohexylamine)	Dermal	Rabbit	LD50 2,110 mg/kg
4,4'-Methylenebis(cyclohexylamine)	Ingestion	Rat	LD50 625 mg/kg
Salicylic acid	Dermal	Rat	LD50 > 2,000 mg/kg
Salicylic acid	Ingestion	Rat	LD50 891 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Benzyl Alcohol	Multiple	Mild irritant

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	animal species	
Formaldehyde, polymer with benzenamine, hydrogenated		Data not available or insufficient for classification
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine)		Data not available or insufficient for classification
m-phenylenebis(methylamine)	Rat	Corrosive
4,4'-Methylenebis(cyclohexylamine)		Data not available or insufficient for classification
Salicylic acid	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
Benzyl Alcohol	Rabbit	Severe irritant
Formaldehyde, polymer with benzenamine, hydrogenated		Data not available or insufficient for classification
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine)		Data not available or insufficient for classification
m-phenylenebis(methylamine)	Rabbit	Corrosive
4,4'-Methylenebis(cyclohexylamine)		Data not available or insufficient for classification
Salicylic acid	Rabbit	Corrosive

Skin Sensitisation

Name	Species	Value
Benzyl Alcohol	Human and animal	Some positive data exist, but the data are not sufficient for classification
Formaldehyde, polymer with benzenamine, hydrogenated		Data not available or insufficient for classification
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine)		Data not available or insufficient for classification
m-phenylenebis(methylamine)	Guinea pig	Sensitising
4,4'-Methylenebis(cyclohexylamine)		Data not available or insufficient for classification
Salicylic acid	Mouse	Not sensitizing

Photosensitisation

Name	Species	Value
Salicylic acid	Mouse	Not sensitizing

Respiratory Sensitisation

Name	Species	Value
Benzyl Alcohol		Data not available or insufficient for classification
Formaldehyde, polymer with benzenamine, hydrogenated		Data not available or insufficient for classification
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine)		Data not available or insufficient for classification
m-phenylenebis(methylamine)		Data not available or insufficient for classification
4,4'-Methylenebis(cyclohexylamine)		Data not available or insufficient for classification
Salicylic acid		Data not available or insufficient for classification

Germ Cell Mutagenicity

Name	Route	Value
Benzyl Alcohol	In vivo	Not mutagenic
Benzyl Alcohol	In Vitro	Some positive data exist, but the data are not sufficient for classification
Formaldehyde, polymer with benzenamine, hydrogenated		Data not available or insufficient for classification
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine)		Data not available or insufficient for classification
m-phenylenebis(methylamine)	In Vitro	Not mutagenic
m-phenylenebis(methylamine)	In vivo	Not mutagenic
4,4'-Methylenebis(cyclohexylamine)		Data not available or insufficient for classification
Salicylic acid	In Vitro	Not mutagenic
Salicylic acid	In vivo	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
Benzyl Alcohol	Ingestion	Multiple	Not carcinogenic

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		animal species	
Formaldehyde, polymer with benzenamine, hydrogenated			Data not available or insufficient for classification
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine)			Data not available or insufficient for classification
m-phenylenebis(methylamine)			Data not available or insufficient for classification
4,4'-Methylenebis(cyclohexylamine)			Data not available or insufficient for classification
Salicylic acid			Data not available or insufficient for classification

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
Benzyl Alcohol	Ingestion	Not toxic to development	Mouse	NOAEL 550 mg/kg/day	during organogenesis
Formaldehyde, polymer with benzenamine, hydrogenated		Data not available or insufficient for classification			
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine)		Data not available or insufficient for classification			
m-phenylenebis(methylamine)	Ingestion	Not toxic to female reproduction	Rat	NOAEL 450 mg/kg/day	1 generation
m-phenylenebis(methylamine)	Ingestion	Not toxic to male reproduction	Rat	NOAEL 450 mg/kg	1 generation
m-phenylenebis(methylamine)	Ingestion	Not toxic to development	Rat	NOAEL 450 mg/kg/day	1 generation
4,4'-Methylenebis(cyclohexylamine)		Data not available or insufficient for classification			
Salicylic acid	Ingestion	Toxic to development	Rat	NOAEL 75 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
Benzyl Alcohol	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL Not available	
Benzyl Alcohol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
Benzyl Alcohol	Ingestion	central nervous system depression	May cause drowsiness or dizziness		NOAEL Not available	
Formaldehyde, polymer with benzenamine, hydrogenated			Data not available or insufficient for classification			
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine)			Data not available or insufficient for classification			
m-phenylenebis(methylamine)	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Not available	NOAEL Not available	
4,4'-Methylenebis(cyclohexylamine)			Data not available or insufficient for classification			
Salicylic acid			Data not available or insufficient for classification			

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Benzyl Alcohol	Ingestion	endocrine system muscles kidney	Some positive data exist, but the data are not sufficient for	Rat	NOAEL 400 mg/kg/day	13 weeks

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Benzyl Alcohol	Ingestion	and/or bladder nervous system respiratory system	classification Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL 645 mg/kg/day	8 days
Formaldehyde, polymer with benzenamine, hydrogenated			Data not available or insufficient for classification			
Formaldehyde, oligomeric reaction products with phenol and m- phenylenebis(methylamine)			Data not available or insufficient for classification			
m- phenylenebis(methylamine)	Ingestion	endocrine system blood bone marrow	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 600 mg/kg/day	28 days
4,4'- Methylenebis(cyclohexyla mine)			Data not available or insufficient for classification			
Salicylic acid	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 500 mg/kg/day	3 days

Aspiration Hazard

Name	Value
Benzyl Alcohol	Not an aspiration hazard
Formaldehyde, polymer with benzenamine, hydrogenated	Not an aspiration hazard
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine)	Not an aspiration hazard
m-phenylenebis(methylamine)	Not an aspiration hazard
4,4'-Methylenebis(cyclohexylamine)	Not an aspiration hazard
Salicylic acid	Not an 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

No product test data available.

Material	CAS Nbr	Organism	Type	Exposure	Test endpoint	Test result
Benzyl Alcohol	100-51-6	Water flea	Laboratory	48 hours	EC50	360 mg/l
m-phenylenebis(methylamine)	1477-55-0	Green algae	Laboratory	72 hours	EC50	12 mg/l
m-phenylenebis(methylamine)	1477-55-0	Water flea	Laboratory	48 hours	EC50	15.2 mg/l
m-phenylenebis(methylamine)	1477-55-0	Ricefish	Laboratory	96 hours	LC50	87.6 mg/l
m-	1477-55-0	Water flea	Laboratory	21 days	NOEC	4.7 mg/l

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phenylenebis(methylamine)						
Benzyl Alcohol	100-51-6	Algae	Experimental	96 hours	EC50	640 mg/l

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
m-phenylenebis(methylamine)	1477-55-0	Laboratory Biodegradation	28 days	CO2 evolution	49 % weight	OECD 301B - Modified sturm or CO2
Benzyl Alcohol	100-51-6	Laboratory Biodegradation	14 days	BOD	94 % weight	OECD 301C - MITI test (I)
Benzyl Alcohol	100-51-6	Laboratory Photolysis			1.4 days (t 1/2)	Other methods

12.3 : Bioaccumulative potential

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
m-phenylenebis(methylamine)	1477-55-0	Laboratory BCF - Other	42 days	Bioaccumulation factor	<2.7	OECD 305E - Bioaccumulation flow-through fish test
m-phenylenebis(methylamine)	1477-55-0	Laboratory Bioaccumulation		Log Kow	0.18	Other methods
Benzyl Alcohol	100-51-6	Laboratory Bioaccumulation		Log Kow	1.10	Other methods

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**

See Section 11.1 Information on toxicological effects

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.

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EU waste code (product as sold)

08 01 11* Waste paint and varnish containing organic solvents or other dangerous substances

SECTION 14: Transportation information

GR-2001-4398-4, GR-2001-4399-2

ADR/RID: UN2735, POLYAMINES, LIQUID, CORROSIVE, N.O.S., LIMITED QUANTITY, (M-PHENYLENEBIS(METHYLAMINE), (4,4-METHYLENEBIS(2-METHYLCYCLOHEXYLAMINE))), 8, III, (E), ADR Classification Code: C7.

IMDG-CODE: UN2735, POLYAMINES, LIQUID, CORROSIVE, N.O.S., (M-PHENYLENEBIS(METHYLAMINE), (4,4-METHYLENEBIS(2-METHYLCYCLOHEXYLAMINE))), 8., III, IMDG-Code segregation code: 18- ALKALIS, LIMITED QUANTITY, EMS: FA, SB.

ICAO/IATA: UN2735, POLYAMINES, LIQUID, CORROSIVE, N.O.S., (M-PHENYLENEBIS(METHYLAMINE), (4,4-METHYLENEBIS(2-METHYLCYCLOHEXYLAMINE))), 8., III.

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 China "Measures on Environmental Management of New Chemical Substance". Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of the Korean Toxic Chemical Control Law. Certain restrictions may apply. Contact the selling division for additional 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 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

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.
H412	Harmful to aquatic life with long lasting effects.

List of relevant R-phrases

R20	Harmful by inhalation.
R20/22	Harmful by inhalation and if swallowed.
R22	Harmful if swallowed.
R23	Toxic by inhalation.
R34	Causes burns.
R35	Causes severe burns.

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R36	Irritating to eyes.
R43	May cause sensitisation by skin contact.
R52/53	Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
R63	Possible risk of harm to the unborn child.

Revision information:

Revision Changes:

Section 8: Personal Protection - Eye information information was modified.

Section 8: Personal Protection - Skin/hand information information was modified.

Section 8: Personal Protection - Respiratory Information information was modified.

Section 13: 13.1. Waste disposal note information was modified.

Section 8: Eye/face protection text information was deleted.

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

Section 8: Skin protection - protective clothing text 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.

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