



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 Beige Multi-Purpose Seam Sealer PN 50740

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

Identified uses

Sprayable sealant

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

2.2. Label elements

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

Symbols None.

Contains:

No ingredients are assigned to the label.

Risk phrases

R52/53 Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

3M Beige Multi-Purpose Seam Sealer PN 50740**Safety phrases**

S51 Use only in well ventilated areas.
S23C Do not breathe vapour or spray.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Limestone	1317-65-3	EINECS 215-279-6	40 - 70	
Silylated prepolymer	Trade Secret		10 - 30	
Diisodecyl Phthalate	26761-40-0	EINECS 247-977-1	5 - 10	
Distillates (petroleum), hydrotreated light	64742-47-8	EINECS 265-149-8	5 - 10	Xn:R65 - Nota 4,H (EU) R66; R67 (Self Classified) N:R51/53 (Concawe no. 01/54) Asp. Tox. 1, H304 (CLP) STOT SE 3, H336 (Self Classified)
Calcium Oxide	1305-78-8	EINECS 215-138-9	1 - 5	C:R34; Xi:R37 (Self Classified) Acute Tox. 4, H302; Skin Corr. 1B, H314 (Self Classified)
Bis(2,2,6,6-Tetramethyl-4-piperidyl) sebacate	52829-07-9	EINECS 258-207-9	0.1 - 1	Xi:R36 (Vendor) T:R23; N:R51/53 (Self Classified) Eye Irrit. 2, H319 (Vendor) Acute Tox. 3, H331; Aquatic Acute 1, H400,M=1; Aquatic Chronic 1, H410,M=1 (Self Classified)

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

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

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

SECTION 4: First aid measures**4.1. Description of first aid measures****Eye contact**

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

Skin contact

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Inhalation

Remove person to fresh air. If you feel unwell, 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

Not applicable

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

Carbon monoxide.

Carbon dioxide.

Condition

During combustion.

During combustion.

5.3. Advice for fire-fighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

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. Collect as much of the spilled material as possible using non-sparking tools. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard. Place in a closed container approved for transportation by appropriate authorities. Seal the container. 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. 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. Use personal protective equipment (eg. gloves, respirators...) as required. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Vapours may travel long distances along the ground or floor to an ignition source and flash back. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Wash thoroughly after handling. Avoid release to the environment.

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 cool. Store away from strong bases. Keep container tightly closed to prevent contamination with water or air. If contamination is suspected, do not reseal container.

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
Calcium Oxide	1305-78-8	Health and Safety Comm. (UK)	TWA:2 mg/m ³	
Limestone	1317-65-3	Health and Safety Comm. (UK)	TWA(as inhalable dust):10 mg/m ³ ;TWA(as respirable dust):4 mg/m ³ ;TWA(Inhalable):10 mg/m ³ ;TWA(respirable):4 mg/m ³	
Diisodecyl Phthalate	26761-40-0	Health and Safety Comm. (UK)	TWA:5 mg/m ³	

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**

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)**Eye/face protection**

Wear eye/face protection.

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

Skin/hand protection

Wear protective gloves.
Gloves made from the following material(s) are recommended: Butyl rubber.
Nitrile rubber.
Polyvinyl alcohol (PVA).

Respiratory protection

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:

Half facepiece or fullface air-purifying respirator with organic vapour cartridges and P2 particulate prefilters.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	Liquid.
Specific Physical Form:	Paste
Appearance/Odour	Light odour; beige sun colour
pH	<i>No data available.</i>
Boiling point/boiling range	> 190 °C
Melting point	<i>No data available.</i>
Flammability (solid, gas)	Flammable Liquid: Category 4.
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	> 70 °C
Flammable Limits(LEL)	<i>No data available.</i>
Flammable Limits(UEL)	<i>No data available.</i>
Vapour pressure	<i>No data available.</i>
Relative density	<i>No data available.</i>
Water solubility	Nil
Partition coefficient: n-octanol/water	<i>No data available.</i>
Evaporation rate	<i>No data available.</i>
Vapour density	<i>No data available.</i>
Viscosity	<i>No data available.</i>
Density	1.66 g/ml [@ 20 °C]

9.2. Other information

Percent volatile 8 %

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.
Sparks and/or flames.

10.5 Incompatible materials

Accelerators
Strong acids.
Strong bases.
Strong oxidising agents.
Reducing agents.
Reaction with water, alcohols, and amines is not hazardous if container can vent to the atmosphere to prevent pressure buildup.
Water

10.6 Hazardous decomposition products

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

SECTION 11: Toxicological information

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

11.1 Information on Toxicological effects

Signs and Symptoms of Exposure

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

Eye contact

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

Skin contact

Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain.

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.

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	UN GHS Classification
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Overall product	Ingestion		No test data available; calculated ATE >5000 mg/kg	Not classified (15.93% unknown)
Limestone	Dermal		LD50 estimated to be > 5000 mg/kg	Not classified
Limestone	Ingestion	Rat	LD50 6450 mg/kg	Not classified
Distillates (petroleum), hydrotreated light	Dermal	Rabbit	LD50 > 3160 mg/kg	Category5
Distillates (petroleum), hydrotreated light	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 3.0 mg/l	Not classified
Distillates (petroleum), hydrotreated light	Ingestion	Rat	LD50 > 5000 mg/kg	Not classified
Diisodecyl Phthalate	Dermal	Rabbit	LD50 >= 2900 mg/kg	Not classified
Diisodecyl Phthalate	Inhalation-Dust/Mist (4 hours)	Rat	LC50 >= 13 mg/l	Not classified
Diisodecyl Phthalate	Ingestion	Rat	LD50 >= 9700 mg/kg	Not classified
Calcium Oxide	Ingestion	Rat	LD50 500-2000 mg/kg	Category4
Bis(2,2,6,6-Tetramethyl-4-piperidyl) sebacate	Dermal	Rat	LD50 > 3170 mg/kg	Category5
Bis(2,2,6,6-Tetramethyl-4-piperidyl) sebacate	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.5 mg/l	Category3
Bis(2,2,6,6-Tetramethyl-4-piperidyl) sebacate	Ingestion	Rat	LD50 3700 mg/kg	Category5

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value	UN GHS Classification
Overall product		No test data available; calculated to be irritant	Category 2
Limestone		No data available	
Distillates (petroleum), hydrotreated light		Mild irritant	Category 3
Diisodecyl Phthalate		Minimal irritation	Not classified
Calcium Oxide		Corrosive	Category 1C
Bis(2,2,6,6-Tetramethyl-4-piperidyl) sebacate		No data available	

Serious Eye Damage/Irritation

Name	Species	Value	UN GHS Classification
Overall product		No test data available; calculated to be severe irritant	Category 2A
Limestone		No data available	
Distillates (petroleum), hydrotreated light		Mild irritant	Not classified
Diisodecyl Phthalate		Mild irritant	Not classified
Calcium Oxide		Corrosive	Category 1
Bis(2,2,6,6-Tetramethyl-4-piperidyl) sebacate		No data available	

Skin Sensitisation

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Name	Species	Value	UN GHS Classification
Overall product		No test data available.	Not classified based on component data
Limestone		No data available	
Distillates (petroleum), hydrotreated light		Not sensitizing	Not classified
Diisodecyl Phthalate		Some positive data exist, but the data are not sufficient for classification	Not classified
Calcium Oxide		No data available	
Bis(2,2,6,6-Tetramethyl-4-piperidyl) sebacate		No data available	

Respiratory Sensitisation

Name	Species	Value	UN GHS Classification
Overall product		No test data available.	Not classified based on component data
Limestone		No data available	
Distillates (petroleum), hydrotreated light		No data available	
Diisodecyl Phthalate		No data available	
Calcium Oxide		No data available	
Bis(2,2,6,6-Tetramethyl-4-piperidyl) sebacate		No data available	

Germ Cell Mutagenicity

Name	Route	Value	UN GHS Classification
Overall product		No data available	Overall Germ Cell Mutagenicity classification Not classified
Overall product		No test data available.	
Limestone		No data available	
Distillates (petroleum), hydrotreated light	In Vitro	Not mutagenic	Not classified
Diisodecyl Phthalate	In Vitro	Not mutagenic	Not classified
Diisodecyl Phthalate	Ingestion	Not mutagenic	Not classified
Calcium Oxide	In Vitro	Not mutagenic	Not classified
Bis(2,2,6,6-Tetramethyl-4-piperidyl) sebacate		No data available	

Carcinogenicity

Name	Route	Species	Value	UN GHS Classification
Overall product			No test data available.	Not classified based on component data
Limestone			No data available	
Distillates (petroleum), hydrotreated light	Dermal		Some positive data exist, but the data are not sufficient for classification	Not classified
Diisodecyl Phthalate			No data available	
Calcium Oxide			No data available	
Bis(2,2,6,6-Tetramethyl-4-piperidyl) sebacate			No data available	

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration	UN GHS Classification
Overall product		Toxic to reproduction and/or development				Overall Reproductive Toxicity classification Category 1B based on component data
Limestone	Ingestion	Not toxic to reproduction and/or development		NOAEL N/A		
Distillates (petroleum), hydrotreated light	Inhalation	Not toxic to reproduction and/or development		NOAEL 364 ppm		
Diisodecyl Phthalate	Ingestion	Toxic to reproduction and/or development		NOAEL 38 mg/kg/day		
Calcium Oxide		No data available				
Bis(2,2,6,6-Tetramethyl-4-piperidyl) sebacate		No data available				

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
Limestone	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive		Not classified
Limestone	Inhalation	respiratory system	All data are negative		NOAEL 0.0812 mg/l		Not classified
Distillates (petroleum), hydrotreated light	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3
Distillates (petroleum), hydrotreated light	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive		Not classified

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Diisodecyl Phthalate			No data available				
Calcium Oxide	Inhalation	respiratory irritation	May cause respiratory irritation		Corrosion Positive		Category 3
Bis(2,2,6,6-Tetramethyl-4-piperidyl) sebacate			No data available				

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
Overall product			No test data available.				Not classified based on component data
Limestone			No data available				
Distillates (petroleum), hydrotreated light	Dermal	bone, teeth, nails, and/or hair	Some positive data exist, but the data are not sufficient for classification		NOEL N/A		Not classified
Distillates (petroleum), hydrotreated light	Dermal	liver	Some positive data exist, but the data are not sufficient for classification		NOEL 1000 mg/kg/day		Not classified
Distillates (petroleum), hydrotreated light	Inhalation	hematopoietic system	All data are negative		NOAEL 0.1 mg/l		Not classified
Distillates (petroleum), hydrotreated light	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification		NOEL 100 mg/kg/day		Not classified
Distillates (petroleum), hydrotreated light	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOAEL 100 mg/kg		Not classified
Diisodecyl Phthalate	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification		LOEL 0.5 mg/l		Not classified
Diisodecyl Phthalate	Inhalation	hematopoietic system liver kidney and/or bladder	All data are negative		NOAEL 0.5 mg/l		Not classified
Diisodecyl	Ingestion	endocrine	Some positive		NOEL		Not classified

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Phthalate		system	data exist, but the data are not sufficient for classification		211 mg/kg/day		
Diisodecyl Phthalate	Ingestion	liver kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOEL 55 mg/kg/day		Not classified
Diisodecyl Phthalate	Ingestion	heart	All data are negative		NOAEL 500 mg/kg/day		Not classified
Diisodecyl Phthalate	Ingestion	hematopoietic system	All data are negative		NOAEL 320 mg/kg/day		Not classified
Calcium Oxide			No data available				
Bis(2,2,6,6-Tetramethyl-4-piperidyl) sebacate			No data available				

Aspiration Hazard

Name	Value	UN GHS Classification
Overall product	No test data available.	Not classified based on component and/or viscosity data
Limestone	Not an aspiration hazard	Not classified
Distillates (petroleum), hydrotreated light	Aspiration hazard	Category 1
Diisodecyl Phthalate	Not an aspiration hazard	Not classified
Calcium Oxide	Not an aspiration hazard	Not classified
Bis(2,2,6,6-Tetramethyl-4-piperidyl) sebacate	Not an aspiration hazard	Not classified

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

SECTION 12: Ecological information

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

12.1. Toxicity**Acute aquatic hazard:**

GHS Acute 3: Harmful to aquatic life.

Chronic aquatic hazard:

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

No product test data available.

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

Incinerate in an industrial or commercial facility. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

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

SECTION 14: Transportation information

ADR/IMDG/IATA: Not restricted for transport.

SECTION 15: Regulatory information

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

Global inventory status

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS. Contact 3M for more information.

15.2. Chemical Safety Assessment

Not applicable

SECTION 16: Other information

List of relevant H statements

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.

H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

List of relevant R-phrases

R23	Toxic by inhalation.
R34	Causes burns.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R51/53	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
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:

No revision information is available.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

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