



Safety Data Sheet

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Document Group:	27-4325-0	Version Number:	3.01
Issue Date:	15/02/2019	Supersedes Date:	19/05/2017

This Safety Data Sheet has been prepared in accordance with the GOST 30333-2007, Material safety data sheet for chemical products.

SECTION 1: Identification

1.1. Product identifier

3M Scotchkote Urethane Sealer 165CS (Part A)

Product Identification Numbers

GR-2001-0186-7

7100000895

1.2. Recommended use and restrictions on use

Recommended use

Coating, Clear sealer for concrete

1.3. Supplier's details

ADDRESS:	AO «3M Russia», 108811, Moscow, Poselenie Moskovskiy, Kievskoe shosse, 22 km, 6, bld.1
Telephone:	495 784 74 74
E Mail:	3mrucs@mmm.com
Website:	www.3m.com

1.4. Emergency telephone number

1 (651)7376501

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Serious Eye Damage/Irritation: Category 1.

2.2. Label elements

Signal word

Danger

Symbols

Corrosion |

Pictograms

3M Scotchkote Urethane Sealer 165CS (Part A)

**Hazard statements**

H318 Causes serious eye damage.

Precautionary statements**Prevention:**

P280A Wear eye/face protection.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.

SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	CAS No. and EC No.	% by Wt	TLV in the working zone air (SRLI in the working zone air mg/m3)	Hazard types and categories	Source of information
NON HAZARDOUS POLYMER	None	70 - 80	See Section 08 for TLV Information		See Section 16 for Sources of Information
1-PHENOXY-2-PROPANOL	770-35-4 212-222-7	5 - 15	See Section 08 for TLV Information	DST MST 5 (acute toxicity); EYE 1; ORAL 5 (acute toxicity)	See Section 16 for Sources of Information
1-Propanol, 2-phenoxy-	4169-04-4 224-027-4	1 - 5	See Section 08 for TLV Information	DST MST 5 (acute toxicity); EYE 1; ORAL 5 (acute toxicity)	See Section 16 for Sources of Information
ZEOLITES	1318-02-1 215-283-8	1 - 5	See Section 08 for TLV Information		See Section 16 for Sources of Information

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

No need for first aid is anticipated.

Skin Contact:

No need for first aid is anticipated.

Eye Contact:

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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. 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. Suitable 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

Condition

During Combustion

During Combustion

5.3. Special protective actions for fire-fighters

No special protective actions for fire-fighters 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 vapors, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dikes 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 container approved for transportation by appropriate authorities, but do not seal the container for 48 hours to avoid pressure build-up. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

For industrial/occupational use only. Not for consumer sale or use. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid

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contact with oxidizing agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities

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

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	C.A.S. No.	Agency	Limit type	Additional Comments
Aluminum, insoluble compounds	1318-02-1	ACGIH	TWA(respirable fraction):1 mg/m3	
ZEOLITES	1318-02-1	Russian Federation MACs	TWA(Respirable fibers)(8 hours):0.1 mg/m3;CEIL(Respirable fibers):0.5 mg/m3	

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

Russian Federation MACs : Russian Federation, Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

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/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

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

No chemical protective gloves are required.

Respiratory protection

None required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

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Specific Physical Form:	Thixotropic Liquid
Appearance/Odor	Faint oily odor; Clear brown color
Odor threshold	<i>No Data Available</i>
pH	<i>No Data Available</i>
Melting point/Freezing point	<i>Not Applicable</i>
Boiling point/Initial boiling point/Boiling range	>=100 °C
Flash Point	100 °C [<i>Test Method</i> :Closed Cup]
Evaporation rate	<i>No Data Available</i>
Flammability (solid, gas)	Not Applicable
Flammable Limits(LEL)	<i>No Data Available</i>
Flammable Limits(UEL)	<i>No Data Available</i>
Vapor Pressure	<i>No Data Available</i>
Vapor Density	<i>No Data Available</i>
Density	1.028 g/ml
Relative Density	1.028 [<i>Ref Std</i> :WATER=1]
Water solubility	Negligible
Solubility- non-water	<i>No Data Available</i>
Partition coefficient: n-octanol/ water	<i>No Data Available</i>
Autoignition temperature	>=365 °C
Decomposition temperature	<i>No Data Available</i>
Viscosity	<i>No Data Available</i>
Molecular weight	<i>No Data Available</i>
Volatile Organic Compounds	6.2 g/l [<i>Test Method</i> :Estimated] [<i>Details</i> :EU Definition (Part A and Part B mix)]
Percent volatile	0.9 % weight

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 polymerization will not occur.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Accelerators

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 oxidizing agents

Water

10.6. Hazardous decomposition products

Substance

None known.

Condition

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 labeling, 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:

Inhalation:

No health effects are expected.

Skin Contact:

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

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:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

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	Dermal		No data available; calculated ATE >5,000 mg/kg
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
1-PHENOXY-2-PROPANOL	Dermal	Rat	LD50 > 2,000 mg/kg
1-PHENOXY-2-PROPANOL	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 5.4 mg/l
1-PHENOXY-2-PROPANOL	Ingestion	Rat	LD50 > 2,000 mg/kg
ZEOLITES	Dermal	Rabbit	LD50 > 2,000 mg/kg
ZEOLITES	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 4.57 mg/l
ZEOLITES	Ingestion	Rat	LD50 > 5,000 mg/kg
1-Propanol, 2-phenoxy-	Dermal	Rat	LD50 > 2,000 mg/kg
1-Propanol, 2-phenoxy-	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 5.4 mg/l
1-Propanol, 2-phenoxy-	Ingestion	Rat	LD50 > 2,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
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1-PHENOXY-2-PROPANOL	Rabbit	No significant irritation
ZEOLITES	Rabbit	No significant irritation
1-Propanol, 2-phenoxy-	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
1-PHENOXY-2-PROPANOL	Rabbit	Corrosive
ZEOLITES	Rabbit	Mild irritant
1-Propanol, 2-phenoxy-	Rabbit	Corrosive

Skin Sensitization

Name	Species	Value
1-PHENOXY-2-PROPANOL	Guinea pig	Not classified
1-Propanol, 2-phenoxy-	Guinea pig	Not classified

Respiratory Sensitization

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

Germ Cell Mutagenicity

Name	Route	Value
1-PHENOXY-2-PROPANOL	In Vitro	Not mutagenic
1-PHENOXY-2-PROPANOL	In vivo	Some positive data exist, but the data are not sufficient for classification
1-Propanol, 2-phenoxy-	In Vitro	Not mutagenic
1-Propanol, 2-phenoxy-	In vivo	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

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

Reproductive Toxicity**Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test Result	Exposure Duration
1-PHENOXY-2-PROPANOL	Ingestion	Not classified for female reproduction	Rat	NOAEL 478 mg/kg/day	2 generation
1-PHENOXY-2-PROPANOL	Ingestion	Not classified for male reproduction	Rat	NOAEL 478 mg/kg/day	2 generation
1-PHENOXY-2-PROPANOL	Ingestion	Not classified for development	Rat	NOAEL 114 mg/kg/day	2 generation
1-Propanol, 2-phenoxy-	Ingestion	Not classified for female reproduction	Rat	NOAEL 478 mg/kg/day	2 generation
1-Propanol, 2-phenoxy-	Ingestion	Not classified for male reproduction	Rat	NOAEL 478 mg/kg/day	2 generation
1-Propanol, 2-phenoxy-	Ingestion	Not classified for development	Rat	NOAEL 114 mg/kg/day	2 generation

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

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

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
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1-PHENOXY-2-PROPANOL	Dermal	hematopoietic system	Not classified	Rabbit	NOAEL 1,000 mg/kg/day	4 weeks
1-Propanol, 2-phenoxy-	Dermal	hematopoietic system	Not classified	Rabbit	NOAEL 1,000 mg/kg/day	4 weeks

Aspiration Hazard

For the component/components, either no data are currently available or the data are 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.

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 labeling, 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:**

Not acutely toxic to aquatic life by GHS criteria.

Chronic aquatic hazard:

Not chronically toxic to aquatic life by GHS criteria.

No product test data available

Material	Cas #	Organism	Type	Exposure	Test Endpoint	Test Result
1-PHENOXY-2-PROPANOL	770-35-4	Fathead Minnow	Experimental	96 hours	Lethal Concentration 50%	280 mg/l
1-PHENOXY-2-PROPANOL	770-35-4	Green algae	Experimental	72 hours	Effect Concentration 50%	>100 mg/l
1-PHENOXY-2-PROPANOL	770-35-4	Water flea	Experimental	48 hours	Lethal Concentration 50%	370 mg/l
1-PHENOXY-2-PROPANOL	770-35-4	Green algae	Experimental	72 hours	Effect Concentration 10%	55.5 mg/l
1-Propanol, 2-phenoxy-	4169-04-4	Fathead Minnow	Estimated	96 hours	Lethal Concentration 50%	280 mg/l
1-Propanol, 2-phenoxy-	4169-04-4	Green algae	Estimated	72 hours	Effect Concentration 50%	>100 mg/l
1-Propanol, 2-phenoxy-	4169-04-4	Water flea	Estimated	48 hours	Effect Concentration 50%	370 mg/l
1-Propanol, 2-phenoxy-	4169-04-4	Green algae	Estimated	72 hours	No obs Effect Conc	12.5 mg/l
ZEOLITES	1318-02-1	Green algae	Experimental	96 hours	Effect	>100 mg/l

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					Concentration 50%	
ZEOLITES	1318-02-1	Zebra Fish	Experimental	96 hours	Lethal Concentration 50%	>100 mg/l
ZEOLITES	1318-02-1	Green algae	Experimental	72 hours	No obs Effect Conc	>100 mg/l
ZEOLITES	1318-02-1	Water flea	Experimental	21 days	No obs Effect Conc	>100 mg/l

12.2. Persistence and degradability

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
1-PHENOXY-2-PROPANOL	770-35-4	Experimental Biodegradation	28 days	Biological Oxygen Demand	72 % BOD/ThBOD	OECD 301F - Manometric Respiro
1-Propanol, 2-phenoxy-	4169-04-4	Estimated Biodegradation	28 days	Biological Oxygen Demand	72 % weight	OECD 301F - Manometric Respiro
ZEOLITES	1318-02-1	Data not availbl- insufficient			N/A	

12.3. Bioaccumulative potential

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
1-PHENOXY-2-PROPANOL	770-35-4	Experimental Bioconcentration		Log of Octanol/H ₂ O part. coeff	1.41	Other methods
1-Propanol, 2-phenoxy-	4169-04-4	Estimated Bioconcentration		Log of Octanol/H ₂ O part. coeff	1.52	Est: Octanol-water part. coeff
ZEOLITES	1318-02-1	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

12.4. Mobility in soil

Please contact manufacturer for more details

12.5 Other adverse effects

No information available

SECTION 13: Disposal considerations**13.1. Disposal methods**

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. If no other disposal options are available, waste product that has been completely cured or polymerized may be placed in a landfill properly designed for industrial waste. 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

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applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

SECTION 14: Transport Information

Ground Transport (ADR):

UN No.:None Assigned.

Proper Shipping Name:None Assigned.

Technical Name:None assigned.

Hazard Class/Division:None Assigned.

Subsidiary Risk:None Assigned.

Packing Group:None Assigned.

Limited Quantity:None Assigned.

Marine Pollutant: None assigned.

Marine Pollutant Technical Name: None assigned.

Other Dangerous Goods Descriptions:

None Assigned.

Marine Transport (IMDG)

UN Number:None assigned.

Proper Shipping Name:None assigned.

Technical Name:None assigned.

Hazard Class/Division:None assigned.

Subsidiary Risk:None assigned.

Packing Group:None assigned.

Limited Quantity:None assigned.

Marine Pollutant: None assigned.

Marine Pollutant Technical Name: None assigned.

Other Dangerous Goods Descriptions:

None assigned.

Air Transport (IATA)

UN Number:None assigned.

Proper Shipping Name:None assigned.

Technical Name:None assigned.

Hazard Class/Division:None assigned.

Subsidiary Risk:None assigned.

Packing Group:None assigned.

Limited Quantity:None assigned.

Marine Pollutant: None assigned.

Marine Pollutant Technical Name: None assigned.

Other Dangerous Goods Descriptions:

None assigned.

Transportation classifications are provided as a customer service. As for shipping, YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling or marking requirements. The above information is only for reference. If you are shipping by air or ocean, YOU are advised to check & meet applicable regulatory requirements.

SECTION 15: Regulatory information

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

Contact 3M for more information. The components of this material are in compliance with the provisions of the Korea Chemical Control Act. 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 material are in compliance with the provisions of Japan Chemical Substance Control Law. 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. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory.

SECTION 16: Other information**Revision information:**

Section 01: Address information was modified.

Section 01: SAP Material Numbers information was added.

Section 02: RU Hazard - Other information was deleted.

Section 06: Accidental release clean-up information information was modified.

Section 07: Precautions safe handling information information was modified.

Section 12: Component ecotoxicity information information was modified.

Section 12: Persistence and Degradability information information was modified.

Section 12: Biocumulative potential information information was modified.

Section 13: Standard Phrase Category Waste GHS information was modified.

List of data sources used for preparation of the Material Safety Data Sheet:

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 Russia Federation SDSs are available at www.3m.com