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
Scotch® Glue Stick Classic

Product Identification Numbers

UU-0031-6741-6	UU-0082-9495-9	UU-0082-9513-9	UU-0082-9514-7	XA-0065-1041-7
7100078269	7100115379	7100115512	7100115623	7100193706

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

Identified uses
Product

1.3. Details of the supplier of the safety data sheet
Address: 3M Ireland Limited, 70 SIR JOHN ROGERSON'S QUAY, D02R296 DUBLIN 2
Telephone: +353 1 280 3555
E Mail: ner-productstewardship@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

The health and environmental classifications of this material have been derived using the calculation method, except in cases where test data are available or the physical form impacts classification. Classification(s) based on test data or physical form are noted below, if applicable.
A similar mixture has been tested for eye damage/irritation and the test results do not meet the criteria for classification.
A similar mixture has been tested for skin corrosion/irritation and the test results do not meet the criteria for classification.

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

Information required per Regulation (EU) No 528/2012 on Biocidal Products:
Contains a biocidal product (preservative): IPBC. Risk of skin sensitization.

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	40 - 55	Substance not classified as hazardous
Sucrose	(CAS-No.) 57-50-1 (EC-No.) 200-334-9	< 25	Substance with a national occupational exposure limit
2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, methyl 2-methyl-2-propenoate and methyl 2-propenoate	(CAS-No.) 67846-38-2	5 - 15	Substance not classified as hazardous
Sodium stearate	(CAS-No.) 822-16-2 (EC-No.) 212-490-5	3 - 7	Aquatic Chronic 3, H412
n-Vinylpyrrolidinone polymer	(CAS-No.) 9003-39-8	< 7	Substance not classified as hazardous
Glycerol	(CAS-No.) 56-81-5 (EC-No.) 200-289-5	< 5	Substance with a national occupational exposure limit
2-amino-2-methylpropanol	(CAS-No.) 124-68-5 (EC-No.) 204-709-8 (REACH-No.) 01-2119475788-16	< 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412
sodium hydroxide	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5	< 1	Skin Corr. 1A, H314 Eye Dam. 1, H318 Met. Corr. 1, H290
3-iodo-2-propynyl butylcarbamate	(CAS-No.) 55406-53-6 (EC-No.) 259-627-5	< 0.05	Acute Tox. 3, H331 Acute Tox. 4, H302 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 1, H372

			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
sodium hydroxide	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5	(C >= 5%) Skin Corr. 1A, H314 (2% =< C < 5%) Skin Corr. 1B, H314 (0.5% =< C < 2%) Skin Irrit. 2, H315 (C >= 2%) Eye Dam. 1, H318 (0.5% =< C < 2%) Eye Irrit. 2, H319

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 are concerned, get medical advice.

Skin contact
Wash with soap and water. If you are concerned, get medical advice.

Eye contact
No need for first aid is anticipated. If signs/symptoms persist, get medical attention.

If swallowed
Rinse mouth. If you are concerned, get medical advice.

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
Hydrocarbons.	During combustion.
Carbon monoxide	During combustion.
Carbon dioxide.	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. Evacuate area. 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.

6.3. Methods and material for containment and cleaning up
Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. 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
Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Avoid breathing 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. Use personal protective equipment (eg. gloves, respirators…) as required.

7.2. Conditions for safe storage including any incompatibilities
Store away from heat.

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
sodium hydroxide	1310-73-2	Ireland OELs	STEL(15 minutes):2 mg/m3	
DUST, INERT OR NUISANCE	56-81-5	Ireland OELs	TWA(Total inhalable dust)(8 hours):10 mg/m3;TWA(as respirable dust)(8 hours):4 mg/m3	
Sucrose	57-50-1	Ireland OELs	TWA(8 hours):10	

			mg/m3;STEL(15 minutes):20 mg/m3
STEARATES	822-16-2	Ireland OELs	TWA(8 hours):10 mg/m3

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
No engineering controls required.

8.2.2. Personal protective equipment (PPE)

Eye/face protection
None required.

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

Material	Thickness (mm)	Breakthrough Time
Neoprene.	0.5	=>8 hours
Nitrile rubber.	0.35	=>8 hours

The glove data presented are based on the substance driving dermal toxicity and the conditions present at the time of testing. Breakthrough time may be altered when the glove is subjected to use conditions that place additional stress on the glove.

Applicable Norms/Standards
Use gloves tested to EN 374

Respiratory protection
None required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid.
Specific Physical Form:	solid
Colour	White
Odor	Characteristic Odour
Odour threshold	*No data available.*
Melting point/freezing point	>=52 ºC
Boiling point/boiling range	100 ºC
Flammability	Not applicable.

Flammable Limits(LEL)	*Not applicable.*
Flammable Limits(UEL)	*Not applicable.*
Flash point	No flash point
Autoignition temperature	*Not applicable.*
Decomposition temperature	*No data available.*
pH	10.3 - 12
Kinematic Viscosity	8,333 - 31,579 mm²/sec
Water solubility	80 - 100 %
Solubility- non-water	*No data available.*
Partition coefficient: n-octanol/water	*No data available.*
Vapour pressure	*No data available.*
Density	0.95 - 1.2 g/cm3
Relative density	*Not applicable.*
Relative Vapour Density	*Not applicable.*
Particle Characteristics	*Not applicable.*

9.2. Other information

9.2.2 Other safety characteristics

EU Volatile Organic Compounds	0.05 %
Evaporation rate	*No data available.*
Percent volatile	*No data available.*

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
High shear and high temperature conditions
Temperatures above the boiling point.

10.5 Incompatible materials
None known.

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. This product may have a characteristic odour; however, no adverse health effects are anticipated.

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
May cause additional health effects (see below).

Additional Health Effects:

Reproductive/Developmental Toxicity:
Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

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	Ingestion		No data available; calculated ATE >5,000 mg/kg
Sucrose	Dermal		LD50 estimated to be > 5,000 mg/kg
Sucrose	Ingestion	Rat	LD50 29,700 mg/kg
n-Vinylpyrrolidinone polymer	Dermal		LD50 estimated to be > 5,000 mg/kg
n-Vinylpyrrolidinone polymer	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 5.2 mg/l
n-Vinylpyrrolidinone polymer	Ingestion	Rat	LD50 100,000 mg/kg
Sodium stearate	Dermal	similar compounds	LD50 > 2,000 mg/kg
Sodium stearate	Ingestion	similar compounds	LD50 > 2,000 mg/kg
Glycerol	Dermal	Rabbit	LD50 estimated to be > 5,000 mg/kg
Glycerol	Ingestion	Rat	LD50 > 5,000 mg/kg
2-amino-2-methylpropanol	Dermal	Rabbit	LD50 > 2,000 mg/kg
2-amino-2-methylpropanol	Ingestion	Rat	LD50 2,900 mg/kg
3-iodo-2-propynyl butylcarbamate	Dermal	Rabbit	LD50 > 2,000 mg/kg
3-iodo-2-propynyl butylcarbamate	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.67 mg/l
3-iodo-2-propynyl butylcarbamate	Ingestion	Rat	LD50 1,056 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Overall product	Professional judgement	No significant irritation
n-Vinylpyrrolidinone polymer	Rabbit	No significant irritation
Sodium stearate	similar compounds	No significant irritation
Glycerol	Rabbit	No significant irritation
2-amino-2-methylpropanol	Rabbit	Irritant
sodium hydroxide	Rabbit	Corrosive
3-iodo-2-propynyl butylcarbamate	Rabbit	Minimal irritation

Serious Eye Damage/Irritation

Name	Species	Value
Overall product	Professional judgement	No significant irritation
Sodium stearate	similar compounds	No significant irritation
Glycerol	Rabbit	No significant irritation
2-amino-2-methylpropanol	Rabbit	Corrosive
sodium hydroxide	Rabbit	Corrosive
3-iodo-2-propynyl butylcarbamate	Rabbit	Corrosive

Skin Sensitisation

Name	Species	Value
n-Vinylpyrrolidinone polymer	Human	Not classified
Sodium stearate	similar compounds	Not classified
Glycerol	Guinea pig	Not classified
2-amino-2-methylpropanol	Guinea pig	Not classified
sodium hydroxide	Human	Not classified
3-iodo-2-propynyl butylcarbamate	Multiple animal species	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
n-Vinylpyrrolidinone polymer	In Vitro	Not mutagenic
Sodium stearate	In Vitro	Not mutagenic
2-amino-2-methylpropanol	In Vitro	Not mutagenic
2-amino-2-methylpropanol	In vivo	Not mutagenic
sodium hydroxide	In Vitro	Not mutagenic
3-iodo-2-propynyl butylcarbamate	In Vitro	Not mutagenic
3-iodo-2-propynyl butylcarbamate	In vivo	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
n-Vinylpyrrolidinone polymer	Ingestion	Rat	Not carcinogenic
Glycerol	Ingestion	Mouse	Some positive data exist, but the data are not sufficient for classification
3-iodo-2-propynyl butylcarbamate	Ingestion	Mouse	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
n-Vinylpyrrolidinone polymer	Ingestion	Not classified for development	Rat	NOAEL 5,000 mg/kg/day	during gestation
Glycerol	Ingestion	Not classified for female reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generation
Glycerol	Ingestion	Not classified for male reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generation
Glycerol	Ingestion	Not classified for development	Rat	NOAEL 2,000 mg/kg/day	2 generation
2-amino-2-methylpropanol	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,000 mg/kg/day	premating into lactation
2-amino-2-methylpropanol	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,000 mg/kg/day	37 days
2-amino-2-methylpropanol	Dermal	Not classified for development	Rat	NOAEL 300 mg/kg/day	during gestation
2-amino-2-methylpropanol	Ingestion	Toxic to development	Rat	NOAEL 100 mg/kg/day	premating into lactation
3-iodo-2-propynyl butylcarbamate	Ingestion	Not classified for female reproduction	Rat	NOAEL 37.5 mg/kg/day	2 generation
3-iodo-2-propynyl butylcarbamate	Ingestion	Not classified for male reproduction	Rat	NOAEL 37.5 mg/kg/day	2 generation
3-iodo-2-propynyl butylcarbamate	Ingestion	Not classified for development	Rat	NOAEL 50 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-amino-2-methylpropanol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL Not available	
sodium hydroxide	Inhalation	respiratory irritation	May cause respiratory irritation	Human	NOAEL Not available	
3-iodo-2-propynyl butylcarbamate	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available.	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Glycerol	Inhalation	respiratory system | heart | liver | kidney and/or bladder	Not classified	Rat	NOAEL 3.91 mg/l	14 days
Glycerol	Ingestion	endocrine system | hematopoietic system | liver | kidney and/or	Not classified	Rat	NOAEL 10,000 mg/kg/day	2 years

		bladder				
2-amino-2-methylpropanol	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 23 mg/kg/day	90 days
2-amino-2-methylpropanol	Ingestion	blood | eyes | kidney and/or bladder	Not classified	Dog	NOAEL 2.8 mg/kg/day	1 years
3-iodo-2-propynyl butylcarbamate	Dermal	skin | heart | hematopoietic system | liver | eyes | kidney and/or bladder | respiratory system	Not classified	Rat	NOAEL 500 mg/kg/day	90 days
3-iodo-2-propynyl butylcarbamate	Inhalation	respiratory system	Causes damage to organs through prolonged or repeated exposure	Rat	NOAEL 0.00116 mg/l	90 days
3-iodo-2-propynyl butylcarbamate	Inhalation	heart | skin | endocrine system | gastrointestinal tract | bone, teeth, nails, and/or hair | hematopoietic system | liver | immune system | muscles | nervous system | eyes | kidney and/or bladder | vascular system	Not classified	Rat	NOAEL 0.00625 mg/l	90 days
3-iodo-2-propynyl butylcarbamate	Ingestion	liver | hematopoietic system | eyes	Not classified	Rat	NOAEL 125 mg/kg/day	90 days

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
Sucrose	57-50-1	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, methyl 2-methyl-2-propenoate and methyl 2-propenoate	67846-38-2	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
n-Vinylpyrrolidinone polymer	9003-39-8	N/A	Data not available or insufficient for	N/A	N/A	N/A

			classification			
Sodium stearate	822-16-2	Green algae	Experimental	72 hours	EC50	150 mg/l
Sodium stearate	822-16-2	Medaka	Experimental	96 hours	LC50	>100 mg/l
Sodium stearate	822-16-2	Water flea	Experimental	48 hours	EC50	19 mg/l
Sodium stearate	822-16-2	Green algae	Experimental	72 hours	NOEC	31 mg/l
Sodium stearate	822-16-2	Water flea	Experimental	21 days	NOEC	0.48 mg/l
Glycerol	56-81-5	Rainbow trout	Experimental	96 hours	LC50	54,000 mg/l
Glycerol	56-81-5	Water flea	Experimental	48 hours	LC50	1,955 mg/l
Glycerol	56-81-5	Bacteria	Experimental	16 hours	NOEC	10,000 mg/l
2-amino-2-methylpropanol	124-68-5	Bluegill	Experimental	96 hours	LC50	180 mg/l
2-amino-2-methylpropanol	124-68-5	Common shrimp	Experimental	96 hours	LC50	170 mg/l
2-amino-2-methylpropanol	124-68-5	Diatom	Experimental	72 hours	ErC50	>103 mg/l
2-amino-2-methylpropanol	124-68-5	Fish	Experimental	96 hours	LC50	175 mg/l
2-amino-2-methylpropanol	124-68-5	Green algae	Experimental	72 hours	ErC50	>103 mg/l
2-amino-2-methylpropanol	124-68-5	Water flea	Experimental	24 hours	EC50	59 mg/l
2-amino-2-methylpropanol	124-68-5	Diatom	Experimental	72 hours	ErC10	>103 mg/l
2-amino-2-methylpropanol	124-68-5	Green algae	Experimental	72 hours	ErC10	68.8 mg/l
2-amino-2-methylpropanol	124-68-5	Activated sludge	Experimental	3 hours	EC50	342.9 mg/l
sodium hydroxide	1310-73-2	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
3-iodo-2-propynyl butylcarbamate	55406-53-6	Activated sludge	Experimental	3 hours	EC50	44 mg/l
3-iodo-2-propynyl butylcarbamate	55406-53-6	Green algae	Experimental	72 hours	ErC50	0.053 mg/l
3-iodo-2-propynyl butylcarbamate	55406-53-6	Rainbow trout	Experimental	96 hours	LC50	0.067 mg/l
3-iodo-2-propynyl butylcarbamate	55406-53-6	Water flea	Experimental	48 hours	LC50	0.645 mg/l
3-iodo-2-propynyl butylcarbamate	55406-53-6	Fathead minnow	Experimental	35 days	NOEC	0.0084 mg/l
3-iodo-2-propynyl butylcarbamate	55406-53-6	Green algae	Experimental	72 hours	ErC10	0.013 mg/l
3-iodo-2-propynyl butylcarbamate	55406-53-6	Water flea	Experimental	21 days	NOEC	0.0499 mg/l

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Sucrose	57-50-1	Data not availbl-insufficient	N/A	N/A	N/A	N/A
2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, methyl 2-methyl-2-propenoate and methyl 2-propenoate	67846-38-2	Data not availbl-insufficient	N/A	N/A	N/A	N/A
n-Vinylpyrrolidinone polymer	9003-39-8	Data not availbl-insufficient	N/A	N/A	N/A	N/A

Sodium stearate	822-16-2	Experimental Biodegradation	28 days	BOD	83 %BOD/ThOD	OECD 301C - MITI test (I)
Glycerol	56-81-5	Experimental Biodegradation	14 days	BOD	63 %BOD/ThOD	OECD 301C - MITI test (I)
2-amino-2-methylpropanol	124-68-5	Experimental Biodegradation	28 days	BOD	89.3 %BOD/ThOD	OECD 301F - Manometric respirometry
2-amino-2-methylpropanol	124-68-5	Experimental Photolysis		Photolytic half-life (in air)	1.1 days (t 1/2)	
2-amino-2-methylpropanol	124-68-5	Experimental Soil Metabolism Aerobic	30 days	CO2 evolution	50 %CO2 evolution/THCO2 evolution	
sodium hydroxide	1310-73-2	Data not availbl-insufficient	N/A	N/A	N/A	N/A
3-iodo-2-propynyl butylcarbamate	55406-53-6	Experimental Biodegradation	28 days	BOD	21 %BOD/ThOD	OECD 301F - Manometric respirometry

12.3 : Bioaccumulative potential

Material	Cas No.	Test type	Duration	Study Type	Test result	Protocol
Sucrose	57-50-1	Experimental Bioconcentration		Log Kow	-3.70	
2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, methyl 2-methyl-2-propenoate and methyl 2-propenoate	67846-38-2	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
n-Vinylpyrrolidinone polymer	9003-39-8	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Sodium stearate	822-16-2	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Glycerol	56-81-5	Experimental Bioconcentration		Log Kow	-1.75	similar to OECD 107
2-amino-2-methylpropanol	124-68-5	Experimental Bioconcentration		Log Kow	-0.63	OECD 107 log Kow shke flsk mtd
sodium hydroxide	1310-73-2	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
3-iodo-2-propynyl butylcarbamate	55406-53-6	Experimental Bioconcentration		Log Kow	2.81	

12.4. Mobility in soil

Material	Cas No.	Test type	Study Type	Test result	Protocol
Glycerol	56-81-5	Modeled Mobility in Soil	Koc	<1 l/kg	Episuite™
2-amino-2-methylpropanol	124-68-5	Modeled Mobility in Soil	Koc	1 l/kg	ACD/Labs ChemSketch™
3-iodo-2-propynyl butylcarbamate	55406-53-6	Experimental Mobility in Soil	Koc	126	

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)
20 01 28 Paint, inks, adhesives and resins other than those mentioned in 20 01 27

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
n-Vinylpyrrolidinone polymer	9003-39-8	Gr. 3: Not classifiable	International Agency for Research on Cancer

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 material are in compliance with the provisions of Japan Industrial Safety and Health Law. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory.

DIRECTIVE 2012/18/EU
Seveso hazard categories, Annex 1, Part 1
None

Seveso named dangerous substances, Annex 1, Part 2
None

Regulation (EU) No 649/2012
No chemicals listed

15.2. Chemical Safety Assessment
A chemical safety assessment has not been carried out for this mixture. Chemical safety assessments for the contained substances may have been carried out by the registrants of the substances in accordance with Regulation (EC) No 1907/2006, as amended.

SECTION 16: Other information

List of relevant H statements

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Revision information:
Section 1: Address information was modified.
Section 1: E-mail address information was modified.
Section 1: Product use information information was modified.
Section 3: Composition/ Information of ingredients table information was modified.
Section 6: Accidental release personal information information was modified.
Section 9: Flammability (solid, gas) information information was deleted.
Section 09: Flammability information information was added.
Section 09: Particle Characteristics N/A information was added.
Section 12: Component ecotoxicity information information was modified.
Section 12: Mobility in soil information information was modified.
Section 12: Persistence and Degradability information information was modified.
Section 12:Bioccumulative potential information information was modified.
Section 15: Seveso Substance 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. In addition, this SDS is being provided to convey health and safety information. If you are the importer of record of this product into the European Union, you are responsible for all regulatory requirements, including, but not limited to, product registrations/notifications, substance volume tracking, and potential substance registration.

3M Ireland MSDSs are available at www.3M.com