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
Ultimate Snow Foam G1915 [G191501 G191532 G191548 G191564]

Product Identification Numbers
14-1001-3162-3 14-1001-5565-5

7012490370 7100315551

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

Identified uses
Automotive.

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number
Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Telephone Number: +353 (0)1 809 2166

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.

CLASSIFICATION:

Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315
Serious Eye Damage/Eye Irritation, Category 1 - Eye Dam. 1; H318
Hazardous to the Aquatic Environment (Chronic), Category 3 - Aquatic Chronic 3; H412

For full text of H phrases, see Section 16.

2.2. Label elements
CLP REGULATION (EC) No 1272/2008

SIGNAL WORD
DANGER.

Symbols
GHS05 (Corrosion) |

Pictograms

Ingredients:

Ingredient	CAS Nbr	EC No.	% by Wt
Alcohols, C12-16, ethoxylated	68551-12-2		3 - 7

HAZARD STATEMENTS:

H315	Causes skin irritation.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

General:

P102	Keep out of reach of children.

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 CENTRE or doctor/physician.
P332 + P313	If skin irritation occurs: Get medical advice/attention.

Disposal:

P501	Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

SUPPLEMENTAL INFORMATION:

Supplemental Hazard Statements:

EUH208	Contains Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-. May produce an allergic reaction.

Information required per Regulation (EU) No 528/2012 on Biocidal Products:
Contains a biocidal product (preservative): C(M)IT/MIT (3:1).

Notes on labelling
Updated per Regulation (EC) No. 648/2004 on detergents.
Ingredients required per 648/2004 (not required on industrial label): 5-15%: Anionic surfactant, aliphatic hydrocarbons.
Contains: Perfume, Colorant, benzyl benzoate, Linalool, Mixture of Methylchloroisothiazolinone and Methylisothiazolinone (3:1).

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]
Non-Hazardous Ingredients	Mixture	40 - 70	Substance not classified as hazardous
2-(2-Ethoxyethoxy)ethanol	(CAS-No.) 111-90-0 (EC-No.) 203-919-7 (REACH-No.) 01-2119475105-42	7 - 13	Substance not classified as hazardous
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	(EC-No.) 931-534-0	7 - 13	Skin Irrit. 2, H315 Eye Dam. 1, H318
2-(2-butoxyethoxy)ethanol	(CAS-No.) 112-34-5 (EC-No.) 203-961-6 (REACH-No.) 01-2119475104-44	3 - 7	Eye Irrit. 2, H319
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	(EC-No.) 927-676-8	3 - 7	Asp. Tox. 1, H304 EUH066
Alcohols, C12-16, ethoxylated	(CAS-No.) 68551-12-2	3 - 7	Eye Dam. 1, H318 Aquatic Acute 1, H400,M=1 Aquatic Chronic 2, H411
Hexadecan-1-ol	(CAS-No.) 36653-82-4 (EC-No.) 253-149-0	5	Substance not classified as hazardous
ALCOHOLS, C14-18	(CAS-No.) 67762-30-5 (EC-No.) 267-009-1	< 1	Aquatic Chronic 1, H410,M=1
2-ETHYLHEXYL P-METHOXYCINNAMATE	(CAS-No.) 5466-77-3 (EC-No.) 226-775-7	< 0.1	Aquatic Acute 1, H400,M=10 Aquatic Chronic 2, H411
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-	(EC-No.) 400-830-7	< 0.1	Skin Sens. 1A, H317 Aquatic Chronic 2, H411

4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-			

Any entry in the Identifier(s) column that begins with the numbers 6, 7, 8, or 9 are a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance.
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
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	(EC-No.) 931-534-0	(C >= 5%) Skin Irrit. 2, H315 (C >= 38%) Eye Dam. 1, H318 (5% =< C < 38%) 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 feel unwell, 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.

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. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed
The most important symptoms and effects based on the CLP classification include:
Irritation to the skin (localized redness, swelling, itching, and dryness). Serious damage to the eyes (corneal cloudiness, severe pain, tearing, ulcerations, and significantly impaired or loss of vision).

4.3. Indication of any immediate medical attention and special treatment required
Not applicable

SECTION 5: Fire-fighting measures

5.1. Extinguishing media
Use a fire fighting agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture
None inherent in this product.

Hazardous Decomposition or By-Products

Substance	Condition
Carbon monoxide	During combustion.
Carbon dioxide.	During combustion.

5.3. Advice 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 vapours, 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 dykes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up
Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible.

6.4. Reference to other sections
Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Keep out of reach of children. 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. Avoid release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities
Store away from acids. Store away from oxidising agents.

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
2-(2-butoxyethoxy)ethanol	112-34-5	Ireland OELs	TWA(8 hours):67.5 mg/m3(10 ppm);TWA(8 hours):10 ppm(67.5 mg/m3);STEL(15 minutes):101.2 mg/m3(12 ppm);STEL(15 minutes):12 ppm(101.2 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
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

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.

Applicable Norms/Standards
Use eye/face protection conforming to EN 166

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. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.
Gloves made from the following material(s) are recommended:

Material	Thickness (mm)	Breakthrough Time
Polymer laminate	No data available	No data available

Applicable Norms/Standards
Use gloves tested to EN 374

Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:
Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

Applicable Norms/Standards
Use a respirator conforming to EN 140 or EN 136: filter types A & P

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Specific Physical Form:	Low viscosity liquid
Colour	Clear Pink
Odor	Sweet Berry
Odour threshold	*No data available.*
Melting point/freezing point	*No data available.*
Boiling point/boiling range	100 ºC
Flammability	Not applicable.
Flammable Limits(LEL)	*No data available.*
Flammable Limits(UEL)	*No data available.*
Flash point	No flash point
Autoignition temperature	*No data available.*
Decomposition temperature	*No data available.*
pH	6.5 - 8.5 Units not available or not applicable.
Kinematic Viscosity	*No data available.*
Water solubility	Miscible
Solubility- non-water	*No data available.*
Partition coefficient: n-octanol/water	*No data available.*
Vapour pressure	*No data available.*
Density	0.99 - 1 g/cm3
Relative density	0.99 - 1 [*Ref Std:*WATER=1]
Relative Vapour Density	*No data available.*
Particle Characteristics	*Not applicable.*

9.2. Other information

9.2.2 Other safety characteristics

Average particle size	*No data available.*
Bulk density	*No data available.*
EU Volatile Organic Compounds	*No data available.*
Evaporation rate	*No data available.*
Molecular weight	*No data available.*
Percent volatile	75.4 % weight [*Test Method:*Estimated] [*Details:*As packaged]
Softening point	*No data available.*

* The values noted with an asterisk (*) in the above table are representative values based on testing of raw materials and selected products. Additionally, a material's characteristics may change depending upon the process and conditions of use at a facility, including further changes in particle size, or mixture with other materials. In order to obtain specific data for the material, we recommend the user conduct characterisation testing based on the use factors at the specific facility.

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
Not determined

10.5 Incompatible materials
Strong acids.
Strong oxidising agents.

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
Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

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

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 diarrhoea.

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
2-(2-Ethoxyethoxy)ethanol	Dermal	Rabbit	LD50 9,143 mg/kg
2-(2-Ethoxyethoxy)ethanol	Ingestion	Rat	LD50 5,400 mg/kg
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Dermal	Rabbit	LD50 6,300 mg/kg
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 52 mg/l

Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Ingestion	Rat	LD50 2,079 mg/kg
2-(2-butoxyethoxy)ethanol	Dermal	Rabbit	LD50 2,764 mg/kg
2-(2-butoxyethoxy)ethanol	Ingestion	Rat	LD50 7,292 mg/kg
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 5.4 mg/l
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	Dermal	similar compounds	LD50 > 5,000 mg/kg
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	Ingestion	similar compounds	LD50 > 5,000 mg/kg
Hexadecan-1-ol	Ingestion	Rat	LD50 > 2,000 mg/kg
Hexadecan-1-ol	Dermal	similar compounds	LD50 > 4,000 mg/kg
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	Dermal	Rat	LD50 > 2,000 mg/kg
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 5.8 mg/l
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	Ingestion	Rat	LD50 > 5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
2-(2-Ethoxyethoxy)ethanol	Rabbit	No significant irritation
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Rabbit	Irritant
2-(2-butoxyethoxy)ethanol	Rabbit	Minimal irritation
Alcohols, C12-16, ethoxylated	Rat	No significant irritation
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	similar compounds	Mild irritant
Hexadecan-1-ol	Rabbit	No significant irritation
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
2-(2-Ethoxyethoxy)ethanol	Rabbit	Moderate irritant
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Rabbit	Corrosive
2-(2-butoxyethoxy)ethanol	Rabbit	Corrosive
Alcohols, C12-16, ethoxylated	Rabbit	Corrosive
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	similar compounds	No significant irritation
Hexadecan-1-ol	Rabbit	No significant irritation
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	Rabbit	No significant irritation

Skin Sensitisation

Name	Species	Value

2-(2-Ethoxyethoxy)ethanol	Human	Not classified
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Guinea pig	Not classified
Alcohols, C12-16, ethoxylated	Human and animal	Not classified
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	similar compounds	Not classified
Hexadecan-1-ol	Guinea pig	Not classified
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	Guinea pig	Sensitising

Respiratory Sensitisation

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

Germ Cell Mutagenicity

Name	Route	Value
2-(2-Ethoxyethoxy)ethanol	In Vitro	Not mutagenic
2-(2-Ethoxyethoxy)ethanol	In vivo	Not mutagenic
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	In Vitro	Not mutagenic
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	In Vitro	Not mutagenic
Hexadecan-1-ol	In Vitro	Not mutagenic
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	In Vitro	Not mutagenic
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	In vivo	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Ingestion	Rat	Not carcinogenic
Alcohols, C12-16, ethoxylated	Ingestion	Rat	Not carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
2-(2-Ethoxyethoxy)ethanol	Dermal	Not classified for development	Rat	NOAEL 5,500 mg/kg/day	during organogenesis
2-(2-Ethoxyethoxy)ethanol	Ingestion	Not classified for development	Mouse	NOAEL 5,500 mg/kg/day	during organogenesis
2-(2-Ethoxyethoxy)ethanol	Inhalation	Not classified for development	Rat	NOAEL 0.6 mg/l	during organogenesis
2-(2-Ethoxyethoxy)ethanol	Ingestion	Not classified for male reproduction	Rat	NOAEL 2,200 mg/kg/day	2 generation
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Ingestion	Not classified for development	Mouse	NOAEL 2 mg/kg/day	during organogenesis
Hexadecan-1-ol	Ingestion	Not classified for male reproduction	Rat	NOAEL 4,257 mg/kg/day	90 days
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-	Ingestion	Not classified for female reproduction	Rat	NOAEL 100 mg/kg/day	premating into lactation

oxopropyl]-.omega.-hydroxy-					
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	Ingestion	Not classified for male reproduction	Rat	NOAEL 100 mg/kg/day	115 days
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	Ingestion	Not classified for development	Rat	NOAEL 2 mg/kg/day	premating into lactation

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
2-(2-Ethoxyethoxy)ethanol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
Alcohols, C12-16, ethoxylated	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
2-(2-Ethoxyethoxy)ethanol	Dermal	kidney and/or bladder	Not classified	Rabbit	NOAEL 1,000 mg/kg/day	12 weeks
2-(2-Ethoxyethoxy)ethanol	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	Pig	NOAEL 167 mg/kg/day	90 days
2-(2-Ethoxyethoxy)ethanol	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL 2,700 mg/kg/day	90 days
2-(2-Ethoxyethoxy)ethanol	Ingestion	endocrine system	Not classified	Rat	NOAEL 2,500 mg/kg/day	90 days
2-(2-Ethoxyethoxy)ethanol	Ingestion	heart | hematopoietic system | nervous system	Not classified	Mouse	NOAEL 8,100 mg/kg/day	90 days
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Ingestion	endocrine system | hematopoietic system | liver | immune system | eyes | kidney and/or bladder	Not classified	Rat	NOAEL 195 mg/kg/day	2 years
Hexadecan-1-ol	Ingestion	heart | endocrine system | gastrointestinal tract | bone, teeth, nails, and/or hair | hematopoietic system | liver | immune system | nervous system | kidney and/or bladder | respiratory system	Not classified	Rat	NOAEL 4,400 mg/kg/day	90 days
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-	Ingestion	liver | endocrine system | hematopoietic	Not classified	Rat	NOAEL 50 mg/kg/day	90 days

ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-		system | eyes | kidney and/or bladder | respiratory system				

Aspiration Hazard

Name	Value
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	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.

11.2. Information on other hazards

This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

SECTION 12: Ecological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

12.1. Toxicity

No product test data available.

Material	CAS #	Organism	Type	Exposure	Test endpoint	Test result
2-(2-Ethoxyethoxy)ethanol	111-90-0	Channel Catfish	Experimental	96 hours	LC50	6,010 mg/l
2-(2-Ethoxyethoxy)ethanol	111-90-0	Green algae	Experimental	72 hours	ErC50	14,861 mg/l
2-(2-Ethoxyethoxy)ethanol	111-90-0	Tidewater Silverside	Experimental	96 hours	LC50	>10,000 mg/l
2-(2-Ethoxyethoxy)ethanol	111-90-0	Water flea	Experimental	48 hours	LC50	1,982 mg/l
2-(2-Ethoxyethoxy)ethanol	111-90-0	Green algae	Analogous Compound	96 hours	NOEC	100 mg/l
2-(2-Ethoxyethoxy)ethanol	111-90-0	Bacteria	Experimental	16 hours	EC10	4,000 mg/l
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	931-534-0	Diatom	Estimated	72 hours	EC50	1.97 mg/l
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	931-534-0	Zebra Fish	Estimated	96 hours	LC50	4.2 mg/l
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	931-534-0	Water flea	Experimental	48 hours	EC50	4.53 mg/l
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	931-534-0	Diatom	Estimated	72 hours	EC10	1.2 mg/l
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	931-534-0	Water flea	Experimental	21 days	NOEC	2.4 mg/l

2-(2-butoxyethoxy)ethanol	112-34-5	Atlantic Silverside	Experimental	96 hours	LC50	2,000 mg/l
2-(2-butoxyethoxy)ethanol	112-34-5	Bluegill	Experimental	96 hours	LC50	1,300 mg/l
2-(2-butoxyethoxy)ethanol	112-34-5	Green algae	Experimental	96 hours	EC50	1,101 mg/l
2-(2-butoxyethoxy)ethanol	112-34-5	Water flea	Experimental	48 hours	EC50	4,950 mg/l
2-(2-butoxyethoxy)ethanol	112-34-5	Green algae	Experimental	96 hours	NOEC	100 mg/l
2-(2-butoxyethoxy)ethanol	112-34-5	Activated sludge	Experimental	30 minutes	EC10	>1,995 mg/l
Alcohols, C12-16, ethoxylated	68551-12-2	Rainbow trout	Experimental	96 hours	LC50	1.1 mg/l
Alcohols, C12-16, ethoxylated	68551-12-2	Water flea	Experimental	48 hours	EC50	0.7 mg/l
Alcohols, C12-16, ethoxylated	68551-12-2	Water flea	Analogous Compound	N/A	EC10	0.082 mg/l
Alcohols, C12-16, ethoxylated	68551-12-2	Activated sludge	Experimental	3 hours	EC50	1,000 mg/l
Alcohols, C12-16, ethoxylated	68551-12-2	Redworm	Experimental	N/A	NOEC	220 mg/kg (Dry Weight)
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	927-676-8	Green algae	Analogous Compound	72 hours	EL50	>1,000 mg/l
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	927-676-8	Water flea	Analogous Compound	48 hours	EL50	>1,000 mg/l
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	927-676-8	Rainbow trout	Experimental	96 hours	LL50	>788,000 mg/l
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	927-676-8	Scud	Experimental	96 hours	LL50	>10,000 mg/l
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	927-676-8	Green algae	Analogous Compound	72 hours	NOEL	1,000 mg/l
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	927-676-8	Water flea	Analogous Compound	21 days	NOEL	>1 mg/l
Hexadecan-1-ol	36653-82-4	Green algae	Experimental	96 hours	EL50	>100 mg/l
Hexadecan-1-ol	36653-82-4	Rainbow trout	Experimental	96 hours	LC50	>100 mg/l
Hexadecan-1-ol	36653-82-4	Green algae	Experimental	96 hours	EC0	100 mg/l
ALCOHOLS, C14-18	67762-30-5	Green algae	Analogous Compound	96 hours	EL50	>10 mg/l
ALCOHOLS, C14-18	67762-30-5	Rainbow trout	Analogous Compound	96 hours	EC50	>1 mg/l
ALCOHOLS, C14-18	67762-30-5	Water flea	Analogous Compound	48 hours	EC50	3.2 mg/l
ALCOHOLS, C14-18	67762-30-5	Fathead minnow	Analogous Compound	33 days	NOEC	0.26 mg/l
ALCOHOLS, C14-18	67762-30-5	Green algae	Analogous Compound	96 hours	EL10	2.9 mg/l
ALCOHOLS, C14-18	67762-30-5	Water flea	Analogous Compound	21 days	NOEC	0.0016 mg/l
ALCOHOLS, C14-18	67762-30-5	Bacteria	Analogous Compound	30 minutes	NOEC	>10,000 mg/l
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Common Carp	Analogous Compound	96 hours	No tox obs at lmt of water sol	>100 mg/l
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Green algae	Analogous Compound	72 hours	No tox obs at lmt of water sol	>100 mg/l

2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Water flea	Analogous Compound	48 hours	No tox obs at lmt of water sol	>100 mg/l
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Algae or other aquatic plants	Experimental	96 hours	ErC50	0.075 mg/l
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Invertebrate	Experimental	96 hours	LC50	0.199 mg/l
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Blackworm	Analogous Compound	28 days	NOEC	64 mg/l
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Green algae	Analogous Compound	72 hours	No tox obs at lmt of water sol	>100 mg/l
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Water flea	Analogous Compound	21 days	No tox obs at lmt of water sol	>100 mg/l
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Zebra Fish	Analogous Compound	30 days	NOEC	>=0.03 mg/l
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Zebra Fish	Analogous Compound	63 days	NOEC	<0.0469 mg/l
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Algae or other aquatic plants	Experimental	96 hours	ErC10	0.051 mg/l
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Activated sludge	Analogous Compound	30 minutes	EC50	>1,000 mg/l
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	400-830-7	Activated sludge	Experimental	3 hours	EC50	>1,000 mg/l
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	400-830-7	Green algae	Experimental	72 hours	EC50	>100 mg/l
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	400-830-7	Rainbow trout	Experimental	96 hours	LC50	2.8 mg/l
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-	400-830-7	Water flea	Experimental	48 hours	EC50	4 mg/l

yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-						
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	400-830-7	Green algae	Experimental	72 hours	ErC10	10 mg/l
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	400-830-7	Water flea	Experimental	21 days	NOEC	0.78 mg/l

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
2-(2-Ethoxyethoxy)ethanol	111-90-0	Experimental Biodegradation	16 days	CO2 evolution	100 %CO2 evolution/THCO2 evolution	OECD 301B - Modified sturm or CO2
2-(2-Ethoxyethoxy)ethanol	111-90-0	Experimental Aquatic Inherent Biodegrad.	5.5 days	Percent degraded	>90 %degraded	OECD 302B Zahn-Wellens/EVPA
2-(2-Ethoxyethoxy)ethanol	111-90-0	Experimental Photolysis		Photolytic half-life (in air)	6.7 hours (t 1/2)	
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	931-534-0	Experimental Biodegradation	28 days	CO2 evolution	80 %CO2 evolution/THCO2 evolution	OECD 301B - Modified sturm or CO2
2-(2-butoxyethoxy)ethanol	112-34-5	Experimental Biodegradation	28 days	BOD	92 %BOD/ThOD	OECD 301C - MITI test (I)
Alcohols, C12-16, ethoxylated	68551-12-2	Analogous Compound Biodegradation	28 days	CO2 evolution	74 %CO2 evolution/THCO2 evolution	OECD 301B - Modified sturm or CO2
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	927-676-8	Experimental Biodegradation	28 days	BOD	22 %BOD/ThOD	OECD 301F - Manometric respirometry
Hexadecan-1-ol	36653-82-4	Experimental Biodegradation	28 days	CO2 evolution	82.4 %CO2 evolution/THCO2 evolution	OECD 301B - Modified sturm or CO2
ALCOHOLS, C14-18	67762-30-5	Experimental Biodegradation	28 days	BOD	73 %BOD/COD	
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Analogous Compound Biodegradation - Anaerobic	79 days	Percent degraded	67 %degraded	
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Analogous Compound Biodegradation	28 days	BOD	78 %BOD/ThOD	OECD 301F - Manometric respirometry
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Analogous Compound Hydrolysis		Hydrolytic half-life (pH 7)	>1 years (t 1/2)	
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Analogous Compound		Photolytic half-life(in water)	5-9 days (t 1/2)	

		Photolysis				
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	400-830-7	Experimental Biodegradation	28 days	CO2 evolution	12-24 %CO2 evolution/THCO2 evolution	OECD 301B - Modified sturm or CO2

12.3 : Bioaccumulative potential

Material	Cas No.	Test type	Duration	Study Type	Test result	Protocol
2-(2-Ethoxyethoxy)ethanol	111-90-0	Experimental Bioconcentration		Log Kow	-0.54	
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	931-534-0	Estimated Bioconcentration		Log Kow	-1.3	
2-(2-butoxyethoxy)ethanol	112-34-5	Experimental Bioconcentration		Log Kow	1	OECD 117 log Kow HPLC method
Alcohols, C12-16, ethoxylated	68551-12-2	Analogous Compound BCF - Fish	72 hours	Bioaccumulation factor	237	
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	927-676-8	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Hexadecan-1-ol	36653-82-4	Modeled Bioconcentration		Bioaccumulation factor	661	
Hexadecan-1-ol	36653-82-4	Bioconcentration		Log Kow	6.7	
ALCOHOLS, C14-18	67762-30-5	Modeled Bioconcentration		Bioaccumulation factor	372	Catalogic™
ALCOHOLS, C14-18	67762-30-5	Analogous Compound Bioconcentration		Log Kow	5.5	
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Analogous Compound BCF - Fish	14 days	Bioaccumulation factor	433	OECD305-Bioconcentration
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Analogous Compound Bioconcentration		Log Kow	>6	OECD 117 log Kow HPLC method
Reaction mass of Polymeric benzotriazole and Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	400-830-7	Experimental BCF - Fish	21 days	Bioaccumulation factor	34	OECD305-Bioconcentration

12.4. Mobility in soil

Material	Cas No.	Test type	Study Type	Test result	Protocol
2-(2-Ethoxyethoxy)ethanol	111-90-0	Modeled Mobility in Soil	Koc	1 l/kg	Episuite™
2-(2-butoxyethoxy)ethanol	112-34-5	Modeled Mobility in Soil	Koc	4.4 l/kg	Episuite™
Alcohols, C12-16, ethoxylated	68551-12-2	Experimental Mobility in Soil	Koc	19,612 l/kg	
Hexadecan-1-ol	36653-82-4	Mobility in Soil	Koc	140,000 l/kg	
ALCOHOLS, C14-18	67762-30-5	Analogous Compound Mobility in Soil	Koc	471,350 l/kg	
2-ETHYLHEXYL P-METHOXYCINNAMATE	5466-77-3	Modeled Mobility in Soil	Koc	8,260 l/kg	Episuite™

12.5. Results of the PBT and vPvB assessment

This material does not contain any substances that are assessed to be a PBT or vPvB

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of waste product in a permitted industrial waste facility. 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 the manufacturer, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/CE 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)
070601* Aqueous washing liquids and mother liquors

SECTION 14: Transportation information

	Ground Transport (ADR)	Air Transport (IATA)	Marine Transport (IMDG)
14.1 UN number or ID number	UN3082	UN3082	UN3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(ALKYL(C12-C14)DIMETHYLAMINES)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(ALKYL(C12-C14)DIMETHYLAMINES)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(ALKYL(C12-C14)DIMETHYLAMINES)
14.3 Transport hazard class(es)	9	9	9
14.4 Packing group	III	III	III
14.5 Environmental hazards	Environmentally Hazardous	Not applicable	Marine Pollutant

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	M6	Not applicable.	Not applicable.
IMDG Segregation Code	Not applicable.	Not applicable.	NONE

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

Restrictions on the manufacture, placing on the market and use:
The following substance(s) contained in this product is/are subject through Annex XVII of REACH regulation to restrictions on the manufacture, placing on the market and use when present in certain dangerous substances, mixtures and articles. Users of this product are required to comply with the restrictions placed upon it by the aforementioned provision.

Ingredient	CAS Nbr
2-(2-butoxyethoxy)ethanol	112-34-5

Restriction status: listed in REACH Annex XVII
Restricted uses: See Annex XVII to Regulation (EC) No 1907/2006 for Conditions of Restriction

Global inventory status
Contact manufacturer for more 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 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. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA 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

EUH066	Repeated exposure may cause skin dryness or cracking.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Revision information:
Label: CLP Percent Unknown information was deleted.
List of sensitizers information was modified.
Section 3: Composition/ Information of ingredients table information was modified.
Section 03: SCL table information was modified.
Section 11: Acute Toxicity table information was modified.
Section 11: Carcinogenicity Table information was modified.
Section 11: Germ Cell Mutagenicity Table information was modified.
Photosensitisation Table information was deleted.
Section 11: Reproductive Toxicity Table information was modified.
Section 11: Serious Eye Damage/Irritation Table information was modified.
Section 11: Skin Corrosion/Irritation Table information was modified.
Section 11: Skin Sensitization Table information was modified.
Section 11: Target Organs - Repeated Table information was modified.
Section 11: Target Organs - Single Table information was modified.
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: Restrictions on manufacture ingredients information information was modified.
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. information was modified.

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.

Meguiar's, Inc. Ireland SDSs are available at www.3M.com