

Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006), as amended for GB.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

3M™ Glass Cleaner and Protector, Ready-To-Use

Product Identification Numbers

70-0716-5815-0

7100038228

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

Identified uses

Hard Surface Cleaner

1.3. Details of the supplier of the safety data sheet

Address: 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.

 Telephone:
 +44 (0)1344 858 000

 E Mail:
 tox.uk@mmm.com

 Website:
 www.3M.com/uk

1.4. Emergency telephone number

+44 (0)1344 858 000

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

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:

This material is not classified as hazardous according to Regulation (EC) No. 1272/2008, as amended for Great Britain, on classification, labelling, and packaging of substances and mixtures.

2.2. Label elements

The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

Not applicable

SUPPLEMENTAL INFORMATION:

Supplemental Hazard Statements:

EUH210 Safety data sheet available on request.

EUH208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-

7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an

allergic reaction.

Information required per Regulation (EU) No 528/2012, as amended for Great Britain on Biocidal Products:

Contains a biocidal product (preservative): C(M)IT/MIT (3:1).

Notes on labelling

Updated per Regulation (EC) No. 648/2004 as amended for Great Britain on detergents.

Ingredients required per 648/2004 (not required on industrial label): Contains: Mixture of Methylchloroisothiazolinone and Methylisothiazolinone (3:1), Perfumes.

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)	0/0	Classification according to Regulation (EC) No. 1272/2008 [CLP], as amended for GB
Water	Mixture	> 99	Substance not classified as hazardous
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	(CAS-No.) 55965-84-9 (EC-No.) 911-418-6	< 0.0015	EUH071 Acute Tox. 3, H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400,M=100 Aquatic Chronic 1, H410,M=100 Nota B Acute Tox. 2, H330 Acute Tox. 2, H310

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
reaction mass of: 5-chloro-2-methyl-4-	(CAS-No.) 55965-84-9	(C >= 0.6%) Skin Corr. 1C, H314
isothiazolin-3-one [EC no. 247-500-7] and	(EC-No.) 911-418-6	(0.06% = < C < 0.6%) Skin Irrit. 2, H315
2-methyl-2H-isothiazol-3-one [EC no. 220-		$(C \ge 0.6\%)$ Eye Dam. 1, H318
239-6] (3:1)		(0.06% = < C < 0.6%) Eye Irrit. 2, H319
		$(C \ge 0.0015\%)$ Skin Sens. 1A, H317

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

Wash with soap and water. If signs/symptoms develop, get medical attention.

Eye contact

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

If swallowed

Do not induce vomiting. Rinse mouth. If you feel unwell, get medical attention.

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

Material will not burn. 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

<u>Substance</u> Carbon monoxide Carbon dioxide.

Condition

During combustion.

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

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. Ventilate the area with fresh air. Observe precautions from other sections.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a 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 release to the environment.

7.2. Conditions for safe storage including any incompatibilities

No special storage requirements.

7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No occupational exposure limit values exist for any of the components listed in Section 3 of this Safety Data Sheet.

Biological limit values

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

8.2. Exposure controls

8.2.1. Engineering controls

Use in a well-ventilated area.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

None required.

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

Information on basic physical and chemical properties					
Physical state	Liquid.				
Colour	Light Blue				
Odor	Mild Apple				
Odour threshold	No data available.				
Melting point/freezing point	No data available.				
Boiling point/boiling range	100 °C				
Flammability	Not applicable.				
Flammable Limits(LEL)	Not applicable.				
Flammable Limits(UEL)	Not applicable.				
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	10 mm ² /sec				
Water solubility	Complete				
Solubility- non-water	No data available.				
Partition coefficient: n-octanol/water	No data available.				
Vapour pressure	No data available.				
Density	No data available.				
Relative density	1				
Relative Vapour Density	No data available.				
Particle Characteristics	Not applicable.				

9.2. Other information

9.2.2 Other safety characteristics

EU Volatile Organic Compounds

Evaporation rate

No data available.

No data available.

No data available.

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

None known.

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 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 3M assessments.

11.1. Information on hazard classes as defined in the retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain.

Signs and Symptoms of Exposure

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

Inhalation

Sprayed material may cause irritation of the respiratory system: Signs/symptoms may include cough, sneezing, nasal discharge, hoarseness, wheezing, breathing difficulty, nose and throat pain, coughing up blood, and non respiratory effects such as painful and watery eyes.

Skin contact

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

Eye contact

Sprayed material may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion

No known health effects.

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
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Dermal	Rabbit	LD50 87 mg/kg
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Inhalation- Dust/Mist (4 hours)	Rat	LC50 0.171 mg/l
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Ingestion	Rat	LD50 40 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Rabbit	Corrosive

Serious Eye Damage/Irritation

Name	Species	Value
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Rabbit	Corrosive

Skin Sensitisation

Name	Species	Value
2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Human and animal	Sensitising

Photosensitisation

Name	Species	Value
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and	Human	Not sensitising
2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	and	
	animal	

Respiratory Sensitisation

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

Germ Cell Mutagenicity

Name		Value
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	In vivo	Not mutagenic
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	In Vitro	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Dermal	Mouse	Not carcinogenic
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Ingestion	Rat	Not carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Ingestion	Not classified for female reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Ingestion	Not classified for male reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and	Ingestion	Not classified for development	Rat	NOAEL 15 mg/kg/day	during organogenesis

3MTM Glass Cleaner and Protector, Ready-To-Use

2-methyl-2H-isothiazol-3-one [EC no. 220-			
239-6] (3:1)			

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
reaction mass of: 5-chloro- 2-methyl-4-isothiazolin-3- one [EC no. 247-500-7] and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)	Inhalation	respiratory irritation	May cause respiratory irritation	similar health hazards	NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

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

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 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	Туре	Exposure	Test endpoint	Test result
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)		Activated sludge	Experimental	3 hours	NOEC	0.91 mg/l
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)		Bacteria	Experimental	16 hours	EC50	5.7 mg/l
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one		Copepod	Experimental	48 hours	EC50	0.007 mg/l

EC no. 220-239-6 (3:1) reaction mass of: 5- 55965-84-9 Diatom Experimental T2 hours ErC50 0.0199 mg/l
Experimental Face
chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1)
EC no. 247-500-7 and 2-methyl-2H-isothiazoli-3-one EC no. 220-239-6 (3:1)
and 2-methyl-2H-
isothiazol-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5- 55965-84-9 Green algae Experimental 72 hours ErC50 0.027 mg/l
EC no. 220-239-6 (3:1)
Care
Experimental Fector Fect
Chloro-2-methyl-4- isothiazolin-3-one EC no. 247-500-7 and 2-methyl-2H- isothiazol-3-one EC no. 220-239-6 (3:1)
isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)
[EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5-chloro-2-methyl-4-
and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazoli-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5-chloro-2-methyl-4-isothiazoli-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 250-239-6] (3:1) reaction mass of: 5-chloro-2-methyl-4-
Isothiazol-3-one EC no. 220-239-6 (3:1)
EC no. 220-239-6 (3:1) reaction mass of: 5- 55965-84-9 Rainbow trout Experimental 96 hours LC50 0.19 mg/l
Care
Chloro-2-methyl-4- isothiazolin-3-one EC no. 247-500-7 and 2-methyl-2H- isothiazol-3-one EC no. 220-239-6 (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one EC no. 247-500-7 and 2-methyl-2H- isothiazol-3-one EC no. 220-239-6 (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazol-3-one EC no. 220-239-6 (3:1) reaction mass of: 5- chloro-2-methyl-4-
Chloro-2-methyl-4- isothiazolin-3-one EC no. 247-500-7 and 2-methyl-2H- isothiazol-3-one EC no. 220-239-6 (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one EC no. 247-500-7 and 2-methyl-2H- isothiazol-3-one EC no. 220-239-6 (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazol-3-one EC no. 220-239-6 (3:1) reaction mass of: 5- chloro-2-methyl-4-
[EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one 55965-84-9 Sheepshead Minnow Experimental 96 hours LC50 0.3 mg/l lec no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) Experimental 48 hours EC50 0.099 mg/l
and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5- chloro-2-methyl-4- Water flea Experimental 96 hours LC50 0.3 mg/l 1.50 0.3 mg/l 48 hours Experimental 96 hours LC50 0.99 mg/l
isothiazol-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5-chloro-2-methyl-4-isothiazol-3-one [EC no. 220-239-6] (3:1)
[EC no. 220-239-6] (3:1) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one 55965-84-9 Sheepshead Minnow Experimental 96 hours LC50 0.3 mg/l EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) Experimental 48 hours EC50 0.099 mg/l reaction mass of: 5-chloro-2-methyl-4- 55965-84-9 Water flea Experimental 48 hours EC50 0.099 mg/l
Comparison Com
reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5- chloro-2-methyl-4-
Chloro-2-methyl-4- isothiazolin-3-one EC no. 247-500-7 and 2-methyl-2H- isothiazol-3-one EC no. 220-239-6 (3:1) reaction mass of: 5- chloro-2-methyl-4- Water flea Experimental 48 hours EC50 0.099 mg/l
isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5- chloro-2-methyl-4- Water flea Experimental 48 hours EC50 0.099 mg/l
[EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5-chloro-2-methyl-4-
and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5- chloro-2-methyl-4- Water flea Experimental 48 hours EC50 0.099 mg/l
isothiazol-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5- chloro-2-methyl-4- Water flea
[EC no. 220-239-6] (3:1) reaction mass of: 5-chloro-2-methyl-4- 55965-84-9 Water flea Experimental 48 hours EC50 0.099 mg/l
(3:1) reaction mass of: 5- 55965-84-9 Water flea Experimental 48 hours EC50 0.099 mg/l
chloro-2-methyl-4-
isothiazolin-3-one
[EC no. 247-500-7]
and 2-methyl-2H-
isothiazol-3-one
[EC no. 220-239-6]
(3:1)
chloro-2-methyl-4-
isothiazolin-3-one
[EC no. 247-500-7]
and 2-methyl-2H-
isothiazol-3-one
[EC no. 220-239-6]
(3:1)
reaction mass of: 5- 55965-84-9 Fathead minnow Experimental 36 days NOEL 0.02 mg/l
chloro-2-methyl-4-
isothiazolin-3-one
[EC no. 247-500-7]
and 2-methyl-2H-
isothiazol-3-one
[EC no. 220-239-6] (3:1)
reaction mass of: 5- 55965-84-9 Green algae Experimental 72 hours NOEC 0.004 mg/l
chloro-2-methyl-4-
isothiazolin-3-one
[EC no. 247-500-7]
and 2-methyl-2H-
isothiazol-3-one
[EC no. 220-239-6]
(3:1)
reaction mass of: 5- 55965-84-9 Water flea Experimental 21 days NOEC 0.004 mg/l
chloro-2-methyl-4-
isothiazolin-3-one

31	TM Class	Cleaner and	Protector	Ready-To-Use
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[EC no. 247-500-7]				l
and 2-methyl-2H-				
isothiazol-3-one				l
[EC no. 220-239-6]				l
(3:1)				١

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
reaction mass of: 5-	55965-84-9	Analogous	29 days	CO2 evolution	62 %CO2	OECD 301B - Modified
chloro-2-methyl-4-		Compound	-		evolution/THCO2	sturm or CO2
isothiazolin-3-one		Biodegradation			evolution (does not	
[EC no. 247-500-7]					pass 10-day	
and 2-methyl-2H-					window)	
isothiazol-3-one						
[EC no. 220-239-6]						
(3:1)						
reaction mass of: 5-	55965-84-9	Experimental		Hydrolytic half-life	> 60 days (t 1/2)	
chloro-2-methyl-4-		Hydrolysis		(pH 7)		
isothiazolin-3-one						
[EC no. 247-500-7]						
and 2-methyl-2H-						
isothiazol-3-one						
[EC no. 220-239-6]						
(3:1)						

12.3 : Bioaccumulative potential

Material	Cas No.	Test type	Duration	Study Type	Test result	Protocol
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)		Analogous Compound BCF - Fish	28 days	Bioaccumulation factor	54	OECD305-Bioconcentration
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)		Analogous Compound Bioconcentration		Log Kow	0.4	

12.4. Mobility in soil

Material	Cas No.	Test type	Study Type	Test result	Protocol
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	Experimental Mobility in Soil	Koc	10 l/kg	OECD 106 Adsp-Desb Batch Equil

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. Other adverse effects

The surfactant(s) contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

Prior to disposal, consult all applicable authorities and regulations to insure proper classification. Dispose of waste product in a permitted industrial waste facility. Empty and clean product containers may be disposed as non-hazardous waste. Consult your specific regulations and service providers to determine available options and requirements.

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 30 Detergents other than those mentioned in 20 01 29.

SECTION 14: Transportation information

Not hazardous for transportation.

	Ground Transport (ADR)	Air Transport (IATA)	Marine Transport (IMDG)
14.1 UN 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 Transport in bulk according to Annex II of Marpol 73/78 and IBC Code	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	No data available.	No data available.	No data available.

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3MTM Glass Cleaner and Protector, Ready-To-Use

Code			
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

Restrictions on the manufacture, placing on the market and use:

The following substance(s) contained in this product is/are subject to Annex XVII of regulation (EC) 1907/2006, as amended for GB, with regard to restrictions on the manufacture, placing on the market and use when present in certain dangerous conditions. Users of this product are required to comply with the restrictions placed upon it by the aforementioned provision.

<u>Ingredient</u> <u>CAS Nbr</u>

reaction mass of: 5-chloro-2-methyl-4-isothiazolin- 55965-84-9 3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Restriction status: listed in UK REACH Annex XVII

Restricted uses: See Annex XVII to Regulation (EC) No 1907/2006 as amended for Great Britain for Conditions of

Restriction

Global inventory status

Contact 3M for more information.

COMAH Regulation, SI 2015/483

Seveso hazard categories, Annex 1, Part 1 None

Seveso named dangerous substances, Annex 1, Part 2

Dangerous Substances	Identifier(s) Qualifying quantity (tonne		es) for the application of	
		Lower-tier requirements	Upper-tier requirements	
reaction mass of: 5-chloro-2-	55965-84-9	50	200	
methyl-4-isothiazolin-3-one				
[EC no. 247-500-7] and 2-				
methyl-2H-isothiazol-3-one				
[EC no. 220-239-6] (3:1)				

Regulation (EU) No 649/2012, as amended for GB

No chemicals listed

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for this substance/mixture in accordance with Regulation (EC) No 1907/2006, as amended for GB.

SECTION 16: Other information

List of relevant H statements

EUHU/I	Corrosive to the respiratory tract.
H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting ef

Revision information:

List of sensitizers information was modified.

Section 3: Composition/Information of ingredients table information was modified.

Section 03: SCL 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: Odor information was modified.

Section 09: Particle Characteristics N/A information was added.

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 modified.

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 - 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.

Section 15: Seveso Substance Text 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.

3M SDSs for Great Britain are available at www.3M.com/uk

For Northern Ireland documents, please contact your 3M representative to obtain a copy.