



## Safety Data Sheet

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<b>Revision date:</b>	09/07/2024	<b>Supersedes date:</b>	06/05/2020
<b>Transportation version number:</b>			

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

### IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

3M FT-10 Qualitative Fit Test Kit, Sweet

#### Product Identification Numbers

70-0701-2151-5

7000001898

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

##### Identified uses

Fit Testing Respirators

#### 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](http://www.3M.com/uk)

#### 1.4. Emergency telephone number

+44 (0)1344 858 000

**This product is a kit or a multipart product which consists of multiple, independently packaged components. A Safety Data Sheet for each of these components is included. Please do not separate the component Safety Data Sheets from this cover page. The document numbers of the MSDSs for components of this product are:**

10-3773-8, 10-3774-6

### TRANSPORTATION INFORMATION

Refer to section 14 of the kit components for transport information.

## **KIT LABEL**

### **2.1. Classification of the substance or mixture**

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

#### **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

#### **Revision information:**

Section 1: Product identification numbers information was added.

Section 01: SAP Material Numbers information was added.

Section 02: GB Classification Statements information was added.

Label: CLP Classification information was deleted.

Section 14: Transportation classification information was deleted.



## Safety Data Sheet

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<b>Document group:</b>	10-3774-6	<b>Version number:</b>	12.06
<b>Revision date:</b>	22/01/2025	<b>Supersedes date:</b>	29/11/2022

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

FT-12 Sodium Saccharin Fit Test Solution

#### Product Identification Numbers

70-0701-2146-5      70-1004-0136-6

7100004636      7100335089

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

##### Identified uses

Fit test solution

#### 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

##### 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

**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], as amended for GB
Water	Mixture	50 - 60	Substance not classified as hazardous
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	(CAS-No.) 128-44-9 (EC-No.) 204-886-1	40 - 50	Substance not classified as hazardous

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

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**

No need for first aid is anticipated. If symptoms develop, remove the affected person to fresh air. Get medical attention.

**Skin contact**

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

**Eye contact**

If exposed, flush eyes with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms develop, 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**

Non-combustible. Use a fire fighting agent suitable for surrounding fire.

**5.2. Special hazards arising from the substance or mixture**

None inherent in this product.

**Hazardous Decomposition or By-Products**

**Substance**

Carbon monoxide  
Carbon dioxide.  
Oxides of nitrogen.  
Oxides of sulphur.

**Condition**

During combustion.  
During combustion.  
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**

For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. 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. Collect as much of the spilled material as possible. Clean up residue with water.

**6.4. Reference to other sections**

Refer to Section 8 and Section 13 for more information

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

For industrial/occupational use only. Not for consumer sale or use. 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**

No engineering controls required.

**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**

<b>Physical state</b>	Liquid.
<b>Colour</b>	Colourless
<b>Odor</b>	Moderate Sodium Saccharin
<b>Odour threshold</b>	<i>No data available.</i>
<b>Melting point/freezing point</b>	<i>Not applicable.</i>
<b>Boiling point/boiling range</b>	$\geq 100$ °C
<b>Flammability</b>	Not applicable.
<b>Flammable Limits(LEL)</b>	<i>Not applicable.</i>
<b>Flammable Limits(UEL)</b>	<i>Not applicable.</i>
<b>Flash point</b>	No flash point
<b>Autoignition temperature</b>	<i>No data available.</i>
<b>Decomposition temperature</b>	<i>No data available.</i>
<b>pH</b>	7 - 8.5
<b>Kinematic Viscosity</b>	<i>No data available.</i>
<b>Water solubility</b>	Complete
<b>Solubility- non-water</b>	<i>No data available.</i>
<b>Partition coefficient: n-octanol/water</b>	<i>No data available.</i>
<b>Vapour pressure</b>	$\leq 2,333.1$ Pa [ <i>@ 20 °C</i> ]
<b>Density</b>	1 g/ml
<b>Relative density</b>	1 [ <i>Ref Std: WATER=1</i> ]
<b>Relative Vapour Density</b>	<i>No data available.</i>
<b>Particle Characteristics</b>	<i>Not applicable.</i>

**9.2. Other information****9.2.2 Other safety characteristics**

EU Volatile Organic Compounds

*No data available.*

Evaporation rate

*No data available.*

Molecular weight

*Not applicable.***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**

<u>Substance</u>	<u>Condition</u>
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**

No known health effects.

**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**

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
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Ingestion	Rat	LD50 8,980 mg/kg
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Dermal	similar compounds	LD50 > 2,000 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Rabbit	No significant irritation

**Serious Eye Damage/Irritation**

Name	Species	Value
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Rabbit	No significant irritation

**Skin Sensitisation**

Name	Species	Value
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	similar compounds	Not classified

**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
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	In Vitro	Not mutagenic
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	In vivo	Not mutagenic

**Carcinogenicity**

Name	Route	Species	Value
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Ingestion	Rat	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
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Ingestion	Not classified for female reproduction	Mouse	NOAEL 25 mg/kg/day	2 generation
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Ingestion	Not classified for male reproduction	Mouse	NOAEL 200 mg/kg/day	2 weeks
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Ingestion	Not classified for development	Mouse	NOAEL 25 mg/kg/day	2 generation

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

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

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Ingestion	heart   hematopoietic system   liver   nervous system   kidney and/or bladder	Not classified	Rat	NOAEL 1,000 mg/kg/day	13 weeks



**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	Type	Exposure	Test endpoint	Test result
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	Green algae	Experimental	72 hours	ErC50	>100 mg/l
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	Water flea	Experimental	48 hours	EC50	>100 mg/l
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	Zebra Fish	Experimental	96 hours	LC50	>400 mg/l
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	Green algae	Experimental	72 hours	NOEC	100 mg/l
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	Activated sludge	Analogous Compound	30 minutes	LOEC	>1,000 mg/l
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	White Mustard	Experimental	96 hours	EC50	>100 mg/kg (Dry Weight)

**12.2. Persistence and degradability**

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	Experimental Biodegradation	28 days	BOD	96.55 %BOD/ThOD	OECD 301D - Closed bottle test
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	Experimental Hydrolysis		Hydrolytic half-life (pH 7)	>1 years (t 1/2)	OECD 111 Hydrolysis func of pH

**12.3 : Bioaccumulative potential**

Material	Cas No.	Test type	Duration	Study Type	Test result	Protocol
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**FT-12 Sodium Saccharin Fit Test Solution**

1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	Experimental Bioconcentration		Log Kow	0.11	
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**12.4. Mobility in soil**

Material	Cas No.	Test type	Study Type	Test result	Protocol
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	Experimental Mobility in Soil	Koc	2,028 l/kg	OECD 121 Estim. of Koc by HPLC

**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**

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.

Product components have been assessed to be treatable in properly operating wastewater treatment systems (industrial, municipal, commercial) with a minimum of biological (aerobic) secondary treatment. Waste product may be directly discharged to wastewater treatment systems. Changes in the manner of which a product is used will require an evaluation to determine proper disposal. 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)**

161002 Aqueous liquid wastes other than those mentioned in 16 10 01

**SECTION 14: Transportation information**

Not hazardous for transportation.

	Ground Transport (ADR)	Air Transport (IATA)	Marine Transport (IMDG)
<b>14.1 UN number</b>	No data available.	No data available.	No data available.
<b>14.2 UN proper shipping name</b>	No data available.	No data available.	No data available.
<b>14.3 Transport hazard class(es)</b>	No data available.	No data available.	No data available.
<b>14.4 Packing group</b>	No data available.	No data available.	No data available.
<b>14.5 Environmental</b>	No data available.	No data available.	No data available.

<b>hazards</b>			
<b>14.6 Special precautions for user</b>	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.
<b>14.7 Transport in bulk according to Annex II of Marpol 73/78 and IBC Code</b>	No data available.	No data available.	No data available.
<b>Control Temperature</b>	No data available.	No data available.	No data available.
<b>Emergency Temperature</b>	No data available.	No data available.	No data available.
<b>ADR Classification Code</b>	No data available.	No data available.	No data available.
<b>IMDG Segregation Code</b>	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

#### Global inventory status

Contact 3M 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 product are in compliance with the new substance notification requirements of CEPA. 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.

#### COMAH Regulation, SI 2015/483

Seveso hazard categories, Annex 1, Part 1  
None

Seveso named dangerous substances, Annex 1, Part 2  
None

#### 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

#### Revision information:

GB Section 02: Other hazards phrase information was added.

GB Section 04: Information on toxicological effects information was added.  
GB Section 12: Classification Warning information was added.  
GB Section 15: Chemical Safety Assessment information was added.  
GBSDS Section 14 Transport in bulk - Main Heading information was added.  
GBSDS Section 14 UN Number information was added.  
Section 1: Product identification numbers information was modified.  
Section 01: SAP Material Numbers information was modified.  
Section 02: CLP Classification Statements information was deleted.  
Section 02: GB Classification Statements information was added.  
Section 2: Other hazards phrase information was deleted.  
Section 3: Composition/ Information of ingredients table information was added.  
Section 3: Composition/ Information of ingredients table information was deleted.  
Section 4: First aid for eye contact information information was modified.  
Section 4: First aid for ingestion (swallowing) information information was modified.  
Section 4: First aid for inhalation information information was modified.  
Section 4: First aid for skin contact information information was modified.  
Section 04: Information on toxicological effects information was deleted.  
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 added.  
Section 11: Carcinogenicity text information was deleted.  
Section 11: Classification disclaimer information was deleted.  
Section 11: GB Classification disclaimer information was added.  
Section 11: GB No endocrine disruptor information available warning information was added.  
Section 11: Germ Cell Mutagenicity Table information was added.  
Section 11: Germ Cell Mutagenicity text information was deleted.  
Section 11: No endocrine disruptor information available warning information was deleted.  
Section 11: Reproductive Toxicity Table information was added.  
Section 11: Serious Eye Damage/Irritation Table information was added.  
Section 11: Serious Eye Damage/Irritation text information was deleted.  
Section 11: Skin Corrosion/Irritation Table information was added.  
Section 11: Skin Corrosion/Irritation text information was deleted.  
Section 11: Skin Sensitization Table information was added.  
Section 11: Skin Sensitization text information was deleted.  
Section 11: Specific Target Organ Toxicity - repeated exposure text information was deleted.  
Section 11: Specific Target Organ Toxicity - single exposure text information was deleted.  
Section 11: Target Organs - Repeated Table information was added.  
Section 12: 12.6. Endocrine Disrupting Properties information was deleted.  
Section 12: 12.6. Other adverse effects information was added.  
Section 12: 12.7. Other adverse effects information was deleted.  
Section 12: Classification Warning information was deleted.  
Section 12: Component ecotoxicity information information was modified.  
Prints No Data if Adverse effects information is not present information was deleted.  
Section 12: No endocrine disruptor information available warning information was added.  
Section 12: No endocrine disruptor information available warning information was deleted.  
Section 12: Persistence and Degradability information information was modified.  
Section 14 Marine transport in bulk according to IMO instruments – Main Heading information was deleted.  
Section 14 UN Number information was deleted.  
Section 14: Transportation classification information was deleted.  
Section 15: Chemical Safety Assessment information was deleted.  
Section 16: Web address information was added.  
Section 16: Web address 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 SDSs for Great Britain are available at [www.3M.com/uk](http://www.3M.com/uk)**

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



## Safety Data Sheet

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<b>Document group:</b>	10-3773-8	<b>Version number:</b>	9.04
<b>Revision date:</b>	05/07/2024	<b>Supersedes date:</b>	03/10/2022

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

FT-11 Sodium Saccharin Sensitivity Test Solution

#### Product Identification Numbers

70-0701-2145-7

7000029587

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

##### Identified uses

Test Solution

#### 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

##### 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

Ingredient	CAS Nbr	EC No.	% by Wt
Water	Mixture	231-791-2	> 99 - 100
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	204-886-1	< 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], as amended for GB
Water	Mixture	> 99 - 100	Substance not classified as hazardous
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	(CAS-No.) 128-44-9 (EC-No.) 204-886-1	< 1	Substance not classified as hazardous

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

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**

No need for first aid is anticipated. If symptoms develop, remove the affected person to fresh air. Get medical attention.

**Skin contact**

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

**Eye contact**

If exposed, flush eyes with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms develop, 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>	<u>Condition</u>
Carbon monoxide	During combustion.
Carbon dioxide.	During combustion.
Oxides of nitrogen.	During combustion.
Oxides of sulphur.	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

For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. 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. Clean up residue with water. Dispose of collected material as soon as possible.

### 6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

For industrial/occupational use only. Not for consumer sale or use. 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**

No engineering controls required.

**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**

Physical state	Liquid.
Colour	Colourless
Odor	Odourless
Odour threshold	<i>No data available.</i>
Melting point/freezing point	<i>No data available.</i>
Boiling point/boiling range	100 °C
Flammability	Not applicable.
Flammable Limits(LEL)	<i>Not applicable.</i>
Flammable Limits(UEL)	<i>Not applicable.</i>
Flash point	No flash point
Autoignition temperature	<i>No data available.</i>
Decomposition temperature	<i>No data available.</i>
pH	7 - 8.5
Kinematic Viscosity	<i>No data available.</i>
Water solubility	Complete
Solubility- non-water	<i>No data available.</i>
Partition coefficient: n-octanol/water	<i>No data available.</i>
Vapour pressure	2,399.8 Pa [ @ 20 °C ]
Density	1 g/ml
Relative density	1 [Ref Std: WATER=1]
Relative Vapour Density	<i>No data available.</i>
Particle Characteristics	<i>Not applicable.</i>

**9.2. Other information**

**9.2.2 Other safety characteristics**

EU Volatile Organic Compounds

*No data available.*

Evaporation rate

*No data available.*

Molecular weight

*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

<u>Substance</u>	<u>Condition</u>
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

No known health effects.

#### 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

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
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**FT-11 Sodium Saccharin Sensitivity Test Solution**

Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Ingestion	Rat	LD50 8,980 mg/kg
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Dermal	similar compounds	LD50 > 2,000 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Rabbit	No significant irritation

**Serious Eye Damage/Irritation**

Name	Species	Value
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Rabbit	No significant irritation

**Skin Sensitisation**

Name	Species	Value
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	similar compounds	Not classified

**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
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	In Vitro	Not mutagenic
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	In vivo	Not mutagenic

**Carcinogenicity**

Name	Route	Species	Value
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Ingestion	Rat	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
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Ingestion	Not classified for female reproduction	Mouse	NOAEL 25 mg/kg/day	2 generation
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Ingestion	Not classified for male reproduction	Mouse	NOAEL 200 mg/kg/day	2 weeks
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Ingestion	Not classified for development	Mouse	NOAEL 25 mg/kg/day	2 generation

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

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

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
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**FT-11 Sodium Saccharin Sensitivity Test Solution**

1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	Ingestion	heart   hematopoietic system   liver   nervous system   kidney and/or bladder	Not classified	Rat	NOAEL 1,000 mg/kg/day	13 weeks
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**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	Type	Exposure	Test endpoint	Test result
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	Green algae	Experimental	72 hours	ErC50	>100 mg/l
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	Water flea	Experimental	48 hours	EC50	>100 mg/l
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	Zebra Fish	Experimental	96 hours	LC50	>400 mg/l
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	Green algae	Experimental	72 hours	NOEC	100 mg/l
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	Activated sludge	Analogous Compound	30 minutes	LOEC	>1,000 mg/l
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	White Mustard	Experimental	96 hours	EC50	>100 mg/kg (Dry Weight)

**12.2. Persistence and degradability**

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	Experimental Biodegradation	28 days	BOD	96.55 %BOD/ThO D	OECD 301D - Closed bottle test
1,2-Benzisothiazol-3(2H)-one 1,1-	128-44-9	Experimental Hydrolysis		Hydrolytic half-life (pH 7)	>1 years (t 1/2)	OECD 111 Hydrolysis func of pH

**FT-11 Sodium Saccharin Sensitivity Test Solution**

dioxide, sodium salt						
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**12.3 : Bioaccumulative potential**

Material	Cas No.	Test type	Duration	Study Type	Test result	Protocol
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	Experimental Bioconcentration		Log Kow	0.11	

**12.4. Mobility in soil**

Material	Cas No.	Test type	Study Type	Test result	Protocol
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	128-44-9	Experimental Mobility in Soil	Koc	2,028 l/kg	OECD 121 Estim. of Koc by HPLC

**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**

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.

Product components have been assessed to be treatable in properly operating wastewater treatment systems (industrial, municipal, commercial) with a minimum of biological (aerobic) secondary treatment. Waste product may be directly discharged to wastewater treatment systems. Changes in the manner of which a product is used will require an evaluation to determine proper disposal. 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)**

161002 Aqueous liquid wastes other than those mentioned in 16 10 01

**SECTION 14: Transportation information**

Not hazardous for transportation.

	Ground Transport (ADR)	Air Transport (IATA)	Marine Transport (IMDG)
<b>14.1 UN number</b>	No data available.	No data available.	No data available.
<b>14.2 UN proper shipping name</b>	No data available.	No data available.	No data available.

<b>14.3 Transport hazard class(es)</b>	No data available.	No data available.	No data available.
<b>14.4 Packing group</b>	No data available.	No data available.	No data available.
<b>14.5 Environmental hazards</b>	No data available.	No data available.	No data available.
<b>14.6 Special precautions for user</b>	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.
<b>14.7 Transport in bulk according to Annex II of Marpol 73/78 and IBC Code</b>	No data available.	No data available.	No data available.
<b>Control Temperature</b>	No data available.	No data available.	No data available.
<b>Emergency Temperature</b>	No data available.	No data available.	No data available.
<b>ADR Classification Code</b>	No data available.	No data available.	No data available.
<b>IMDG Segregation Code</b>	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

#### Global inventory status

Contact 3M 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 product are in compliance with the new substance notification requirements of CEPA. 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.

#### COMAH Regulation, SI 2015/483

Seveso hazard categories, Annex 1, Part 1  
None

Seveso named dangerous substances, Annex 1, Part 2  
None

#### 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****Revision information:**

GB Section 02: CLP Ingredient table information was added.  
GB Section 02: Other hazards phrase information was added.  
GB Section 04: Information on toxicological effects information was added.  
GB Section 12: Classification Warning information was added.  
GB Section 15: Chemical Safety Assessment information was added.  
GBSDS Section 14 Transport in bulk - Main Heading information was added.  
GBSDS Section 14 UN Number information was added.  
Section 02: CLP Classification Statements information was deleted.  
Section 02: GB Classification Statements information was added.  
Section 2: Other hazards phrase information was deleted.  
Section 3: Composition/ Information of ingredients table information was added.  
Section 3: Composition/ Information of ingredients table information was deleted.  
Section 4: First aid for eye contact information information was modified.  
Section 4: First aid for ingestion (swallowing) information information was modified.  
Section 4: First aid for inhalation information information was modified.  
Section 4: First aid for skin contact information information was modified.  
Section 04: Information on toxicological effects information was deleted.  
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 9: Vapour density value information was modified.  
Section 11: Acute Toxicity table information was modified.  
Section 11: Carcinogenicity Table information was added.  
Section 11: Carcinogenicity text information was deleted.  
Section 11: Classification disclaimer information was deleted.  
Section 11: GB Classification disclaimer information was added.  
Section 11: GB No endocrine disruptor information available warning information was added.  
Section 11: Germ Cell Mutagenicity Table information was added.  
Section 11: Germ Cell Mutagenicity text information was deleted.  
Section 11: No endocrine disruptor information available warning information was deleted.  
Section 11: Reproductive Toxicity Table information was added.  
Section 11: Serious Eye Damage/Irritation Table information was added.  
Section 11: Serious Eye Damage/Irritation text information was deleted.  
Section 11: Skin Corrosion/Irritation Table information was added.  
Section 11: Skin Corrosion/Irritation text information was deleted.  
Section 11: Skin Sensitization Table information was added.  
Section 11: Skin Sensitization text information was deleted.  
Section 11: Specific Target Organ Toxicity - repeated exposure text information was deleted.  
Section 11: Specific Target Organ Toxicity - single exposure text information was deleted.  
Section 11: Target Organs - Repeated Table information was added.  
Section 12: 12.6. Endocrine Disrupting Properties information was deleted.  
Section 12: 12.6. Other adverse effects information was added.  
Section 12: 12.7. Other adverse effects information was deleted.  
Section 12: Classification Warning information was deleted.  
Section 12: Component ecotoxicity information information was modified.  
Prints No Data if Adverse effects information is not present information was deleted.  
Section 12: No endocrine disruptor information available warning information was added.  
Section 12: No endocrine disruptor information available warning information was deleted.  
Section 12: Persistence and Degradability information information was modified.  
Section 14 Marine transport in bulk according to IMO instruments – Main Heading information was deleted.  
Section 14 UN Number information was deleted.

Section 14: Transportation classification information was deleted.

Section 15: Chemical Safety Assessment information was deleted.

Section 16: Web address information was added.

Section 16: Web address 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 SDSs for Great Britain are available at [www.3M.com/uk](http://www.3M.com/uk)**

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