Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the New Zealand, Hazardous Substances (Safety Data Sheets) Notice 2017.

SECTION 1: Identification

1.1. Product identifier
FT-11 Sodium Saccharin Sensitivity Test Solution

Product Identification Numbers
70-0701-2145-7

1.2. Recommended use and restrictions on use

Recommended use
Test Solution

For Industrial or Professional use only

1.3. Supplier’s details
Address: 3M New Zealand Ltd, 94 Apollo Drive, Rosedale 0632, Auckland
Telephone: (09) 477 4040
E Mail: innovation@nz.mmm.com
Website: 3m.co.nz

1.4. Emergency telephone number
24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

SECTION 2: Hazard identification

Not classified as hazardous in accordance with the relevant criteria of the HSNO Act 1996, the Hazardous Substances (Classification) Notice 2017 and Hazardous Substances (Minimum Degrees of Hazard) Notice 2017. Refer to Section 14 of this Safety Data Sheet for product Dangerous Goods Classification.

2.1. Classification of the substance or mixture

<table>
<thead>
<tr>
<th>GHS</th>
<th>HSNO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not classified as hazardous.</td>
<td>Not classified as hazardous.</td>
</tr>
</tbody>
</table>

2.2. Label elements

SIGNAL WORD
SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Nbr</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Saccharin</td>
<td>128-44-9</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>&gt; 99</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
No need for first aid is anticipated.

Skin contact
No need for first aid is anticipated.

Eye contact
No need for first aid is anticipated.

If swallowed
No need for first aid is anticipated.

4.2. Most important symptoms and effects, both acute and delayed
See Section 11.1 Information on toxicological effects

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

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media
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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon monoxide.</td>
<td>During combustion.</td>
</tr>
<tr>
<td>Carbon dioxide.</td>
<td>During combustion.</td>
</tr>
<tr>
<td>Oxides of nitrogen.</td>
<td>During combustion.</td>
</tr>
<tr>
<td>Oxides of sulphur.</td>
<td>During combustion.</td>
</tr>
</tbody>
</table>

5.3. Special protective actions for fire-fighters
No special protective actions for fire-fighters are anticipated.

5.4. Hazchem code: Not applicable.
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 vapors, 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 in accordance with applicable local/regional/national/international regulations.

SECTION 7: Handling and storage

Refer to Section 15 - Controls for more information

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. Certified handler
Not required

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.

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

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
</tbody>
</table>
### Odour
Odourless

### Odour threshold
No data available.

### pH
7 - 8.5

### Melting point/Freezing point
No data available.

### Boiling point/Initial boiling point/Boiling range
100 ºC

### Flash point
No flash point

### Evaporation rate
No data available.

### Flammability (solid, gas)
Not applicable.

### Flammable Limits(LEL)
Not applicable.

### Flammable Limits(UEL)
Not applicable.

### Vapour pressure
2,399.8 Pa [@ 20 ºC ]

### Vapor Density and/or Relative Vapor Density
No data available.

### Density
1 g/ml

### Relative density
1 [Ref Std: WATER=1]

### Water solubility
Complete

### Solubility- non-water
No data available.

### Partition coefficient: n-octanol/water
No data available.

### Autoignition temperature
No data available.

### Decomposition temperature
No data available.

### Viscosity/Kinematic Viscosity
No data available.

### Volatile organic compounds (VOC)
<=0 % weight

### Percent volatile
VOC less H2O & exempt solvents
No data available.

### Molecular weight
No data available.

**Nanoparticles**
This material does not contain nanoparticles.

**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**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>None known.</td>
<td></td>
</tr>
</tbody>
</table>

Refer to Section 5.2 for hazardous decomposition products during combustion.

**SECTION 11: Toxicological information**
11.1 Information on Toxicological effects

Signs and Symptoms of Exposure

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

Inhalation
No 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall product</td>
<td>Ingestion</td>
<td>No data available; calculated ATE &gt;5,000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Sodium Saccharin</td>
<td>Dermal</td>
<td>Professio nal judgement</td>
<td>LD50 estimated to be &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td>Sodium Saccharin</td>
<td>Ingestion</td>
<td>Rat</td>
<td>LD50  14,200 mg/kg</td>
</tr>
</tbody>
</table>

ATE = acute toxicity estimate

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

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

Sensitisation:

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

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

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

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

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**
For the component/components, either no data are currently available or the data are not sufficient for classification.

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**
For the component/components, either no data are currently available or the data are not sufficient for classification.

**Specific Target Organ Toxicity - repeated exposure**
For the component/components, either no data are currently available or the data are not sufficient for classification.

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

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

### SECTION 12: Ecological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

#### 12.1. Toxicity

No product test data available.

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS Number</th>
<th>Organism</th>
<th>Type</th>
<th>Exposure</th>
<th>Test endpoint</th>
<th>Test result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Saccharin</td>
<td>128-44-9</td>
<td>Fathead minnow</td>
<td>Experimental</td>
<td>96 hours</td>
<td>LC50</td>
<td>18,300 mg/l</td>
</tr>
<tr>
<td>Sodium Saccharin</td>
<td>128-44-9</td>
<td>Green algae</td>
<td>Experimental</td>
<td>72 hours</td>
<td>EC50</td>
<td>&gt;200 mg/l</td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS Number</th>
<th>Test type</th>
<th>Duration</th>
<th>Study Type</th>
<th>Test result</th>
<th>Protocol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Saccharin</td>
<td>128-44-9</td>
<td>Experimental Biodegradation</td>
<td>28 days</td>
<td>BOD</td>
<td>32.09 %</td>
<td>OECD 301F - Manometric respirometry</td>
</tr>
</tbody>
</table>

#### 12.3: Bioaccumulative potential

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS Number</th>
<th>Test type</th>
<th>Duration</th>
<th>Study Type</th>
<th>Test result</th>
<th>Protocol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Saccharin</td>
<td>128-44-9</td>
<td>Experimental Bioconcentra...</td>
<td></td>
<td>Log Kow</td>
<td>0.11</td>
<td>Other methods</td>
</tr>
</tbody>
</table>

#### 12.4. Mobility in soil
Please contact manufacturer for more details

12.5 Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1. Disposal methods
In accordance with the Hazardous Substances (Disposal) Notice 2017 and the relevant criteria of the HSNO Act 1996.

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.

Packaging (that may or may not contain any residual substance) may be lawfully disposed of by householders or other consumers through public or commercial waste collection services.

SECTION 14: Transport Information

New Zealand Land Transport Rule: Dangerous Goods - Road/Rail Transport
UN No.: Not applicable.
Proper Shipping Name: Not applicable.
Class/Division: Not applicable.
Sub Risk: Not applicable.
Packing Group: Not applicable.

Hazchem Code: Not applicable.
IERG: Not applicable.

International Air Transport Association (IATA) - Air Transport
UN No.: Not applicable.
Proper Shipping Name: Not applicable.
Class/Division: Not applicable.
Sub Risk: Not applicable.
Packing Group: Not applicable.

International Maritime Dangerous Goods Code (IMDG) - Marine Transport
UN No.: Not applicable.
Proper Shipping Name: Not applicable.
Class/Division: Not applicable.
Sub Risk: Not applicable.
Packing Group: Not applicable.
Marine Pollutant: Not applicable.

SECTION 15: Regulatory information

HSNO Approval number: Not applicable
Group standard name: Not applicable
HSNO Hazard classification: Refer to Section 2: Hazard identification

NZ Inventory of Chemicals (NZIoC) Status
All applicable chemical ingredients in this material are in compliance with NZIoC listing requirements.
Controls in accordance with the Health and Safety at Work (Hazardous Substances) Regulations 2017

Certified handler: Not required
Location Compliance Certificate: Not required
Hazardous atmosphere zone: Not required
Fire extinguishers: Not required
Emergency response plan: Not required
Secondary containment: Not required
Tracking: Not required
Warning signage: Not required

SECTION 16: Other information

Revision information:
Complete document review.

<table>
<thead>
<tr>
<th>Document group:</th>
<th>10-3773-8</th>
<th>Version number:</th>
<th>3.00</th>
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<tbody>
<tr>
<td>Issue Date:</td>
<td>01/11/2020</td>
<td>Supersedes date:</td>
<td>12/06/2017</td>
</tr>
</tbody>
</table>

Key to abbreviations and acronyms

GHS means the Globally Harmonised System of Classification and Labelling of Chemicals, 5th revised edition 2013
HSNO means Hazardous Substances and New Organisms Act 1996

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