



## 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

Scotch-Brite™ Quick Clean Griddle Liquid (No. 700 and No. 701)

#### Product Identification Numbers

70-0711-2705-7

#### 1.2. Recommended use and restrictions on use

##### Recommended use

A powerful griddle cleaning liquid that is safe for use on food contact surfaces. Loosens and lifts carbonized grease and food soil upon contact on a hot griddle for easy removal. No fragrance added

#### 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

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

| GHS                                   | HSNO                                 |
|---------------------------------------|--------------------------------------|
| Skin Corrosion/Irritation: Category 3 | 6.3B Irritating to the skin          |
| No GHS Equivalent                     | 9.3C Terrestrial vertebrate toxicity |

#### 2.2. Label elements

**SIGNAL WORD**

## Scotch-Brite™ Quick Clean Griddle Liquid (No. 700 and No. 701)

WARNING!

**Symbols:**

Not applicable.

**HAZARD STATEMENTS:**

H316 Causes mild skin irritation.

H433 Harmful to terrestrial vertebrates.

**PRECAUTIONARY STATEMENTS**

**General:**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

**Prevention:**

P273 Avoid release to the environment.

**Response:**

P332 + P313 If skin irritation occurs: Get medical advice/attention.

**Disposal:**

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

**2.3. Other hazards**

May cause thermal burns. All or part of the classification is based on toxicity test data.

## SECTION 3: Composition/information on ingredients

| Ingredient          | CAS Nbr   | % by Weight |
|---------------------|-----------|-------------|
| Glycerol            | 56-81-5   | 40 - 70     |
| Water               | 7732-18-5 | 10 - 30     |
| Potassium carbonate | 584-08-7  | 7 - 13      |
| Sodium carbonate    | 497-19-8  | 1 - 5       |
| Tartrazine          | 1934-21-0 | 0.05 - 0.5  |

## 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. If heated product contacts the skin, immediately flush with large amounts of cool water for at least 15 minutes to minimize potential for thermal burns. 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 heated product contacts the eye, immediately flush eyes with large amounts of cool water for 15 minutes to minimize potential for thermal burns. After flushing eyes, get immediate medical attention.

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### If swallowed

Rinse mouth. If you feel unwell, get medical attention.

### 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

| <u>Substance</u> | <u>Condition</u>   |
|------------------|--------------------|
| Acrolein         | During combustion. |
| Hydrocarbons.    | During combustion. |
| Formaldehyde     | During combustion. |
| Carbon monoxide. | During combustion. |
| Carbon dioxide.  | During combustion. |

### 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

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### 6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

### 6.3. Methods and material for containment and cleaning up

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

## SECTION 7: Handling and storage

Refer to Section 15 - Controls for more information

## Scotch-Brite™ Quick Clean Griddle Liquid (No. 700 and No. 701)

### 7.1. Precautions for safe handling

Avoid skin contact with hot material. Keep out of reach of children. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment.

### 7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Store away from acids. Store away from areas where product may come into contact with food or pharmaceuticals.

### 7.3. Certified handler

Not required

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

| Ingredient | CAS Nbr | Agency             | Limit type                                    | Additional comments |
|------------|---------|--------------------|---|---------------------|
| Glycerol   | 56-81-5 | New Zealand<br>WES | TWA(as mist)(8 hours):10<br>mg/m <sup>3</sup> |                     |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

New Zealand WES : New Zealand Workplace Exposure Standards.

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

ppm: parts per million

mg/m<sup>3</sup>: milligrams per cubic metre

CEIL: Ceiling

### 8.2. Exposure controls

#### 8.2.1. Engineering controls

Provide appropriate local exhaust when product is heated. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

#### 8.2.2. Personal protective equipment (PPE)

##### Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Full face shield.

Indirect vented goggles.

Refer AS/NZS 1336 - Recommended practices for occupational eye protection and for performance specifications AS/NZS 1337, Parts 1 - 6 - Personal eye-protection.

##### Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing.

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

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Nitrile rubber.

### Respiratory protection

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection. An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors

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

Refer AS/NZS 1715 - Selection, use and maintenance of respiratory protective equipment and AS/NZS 1716 - Respiratory protective devices.

### Thermal hazards

Wear heat insulating gloves when handling hot material to prevent thermal burns.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |  |
|---|--|
| Physical state                                    | Liquid.  |
| Colour  | Yellow-Orange  |
| Odour   | Mild Odour   |
| Odour threshold                                   | <i>No data available.</i>  |
| pH  | ± 12   |
| Melting point/Freezing point                      | <i>Not applicable.</i>   |
| Boiling point/Initial boiling point/Boiling range | ± 120 °C   |
| Flash point                                       | No flash point   |
| Evaporation rate                                  | <i>No data available.</i>  |
| Flammability (solid, gas)                         | Not applicable.  |
| Flammable Limits(LEL)                             | <i>Not applicable.</i>   |
| Flammable Limits(UEL)                             | <i>Not applicable.</i>   |
| Vapour pressure                                   | <i>Not applicable.</i>   |
| Vapour density                                    | <i>Not applicable.</i>   |
| Density   | 1.3 g/ml   |
| Relative density                                  | ± 1.3 [Ref Std: WATER=1]   |
| Water solubility                                  | Complete   |
| Solubility- non-water                             | <i>No data available.</i>  |
| Partition coefficient: n-octanol/water            | <i>Not applicable.</i>   |
| Autoignition temperature                          | 370 °C [Details: CONDITIONS: For glycerin only (NFPA, 11th ed.)] |
| Decomposition temperature                         | <i>No data available.</i>  |
| Viscosity   | ± 200 mPa-s  |
| Volatile organic compounds (VOC)                  | 0  |
| Percent volatile                                  | 10 - 30 %  |
| VOC less H2O & exempt solvents                    | 0  |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is considered to be non reactive under normal use conditions

### 10.2 Chemical stability

**Scotch-Brite™ Quick Clean Griddle Liquid (No. 700 and No. 701)**

Stable.

**10.3 Possibility of hazardous reactions**

Hazardous polymerisation will not occur.

**10.4 Conditions to avoid**

Not determined

**10.5 Incompatible materials**

Strong acids.

**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 be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

**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**

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

**Skin contact**

During heating:

Thermal burns: Signs/symptoms may include intense pain, redness and swelling, and tissue destruction.

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

**Eye contact**

During heating:

Thermal burns: Signs/symptoms may include severe pain, redness and swelling, and tissue destruction.

**Ingestion**

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

**Toxicological Data**

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

**Acute Toxicity**

| Name | Route | Species | Value |
|------|-------|---------|-------|
|------|-------|---------|-------|

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|                     |                                |        |  |
|---------------------|--------------------------------|--------|--|
| Overall product     | Dermal                         |        | No data available; calculated ATE >5,000 mg/kg |
| Overall product     | Ingestion                      |        | No data available; calculated ATE >5,000 mg/kg |
| Glycerol            | Dermal                         | Rabbit | LD50 estimated to be > 5,000 mg/kg             |
| Glycerol            | Ingestion                      | Rat    | LD50 > 5,000 mg/kg                             |
| Potassium carbonate | Dermal                         | Rabbit | LD50 > 2,000 mg/kg                             |
| Potassium carbonate | Inhalation-Dust/Mist (4 hours) | Rat    | LC50 > 5.58 mg/l                               |
| Potassium carbonate | Ingestion                      | Rat    | LD50 1,870 mg/kg                               |
| Sodium carbonate    | Dermal                         | Rabbit | LD50 > 2,000 mg/kg                             |
| Sodium carbonate    | Ingestion                      | Rat    | LD50 2,800 mg/kg                               |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name                | Species                | Value                     |
|---------------------|------------------------|---------------------------|
| Overall product     | Professional judgement | Mild irritant             |
| Glycerol            | Rabbit                 | No significant irritation |
| Potassium carbonate | Rabbit                 | Minimal irritation        |
| Sodium carbonate    | Rabbit                 | No significant irritation |

**Serious Eye Damage/Irritation**

| Name                | Species       | Value                     |
|---------------------|---------------|---------------------------|
| Overall product     | In vitro data | No significant irritation |
| Glycerol            | Rabbit        | No significant irritation |
| Potassium carbonate | Rabbit        | Corrosive                 |
| Sodium carbonate    | Rabbit        | Corrosive                 |

**Skin Sensitisation**

| Name     | Species    | Value          |
|----------|------------|----------------|
| Glycerol | Guinea pig | Not classified |

**Respiratory Sensitisation**

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

**Germ Cell Mutagenicity**

| Name             | Route    | Value         |
|------------------|----------|---------------|
| Sodium carbonate | In Vitro | Not mutagenic |

**Carcinogenicity**

| Name     | Route     | Species | Value  |
|----------|-----------|---------|--|
| Glycerol | Ingestion | Mouse   | Some positive data exist, but the data are not sufficient for classification |

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

| Name     | Route     | Value                                  | Species | Test result           | Exposure Duration |
|----------|-----------|--|---------|-----------------------|-------------------|
| Glycerol | Ingestion | Not classified for female reproduction | Rat     | NOAEL 2,000 mg/kg/day | 2 generation      |

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|                  |           |                                      |       |                             |                         |
|------------------|-----------|--------------------------------------|-------|-----------------------------|-------------------------|
| Glycerol         | Ingestion | Not classified for male reproduction | Rat   | NOAEL<br>2,000<br>mg/kg/day | 2 generation            |
| Glycerol         | Ingestion | Not classified for development       | Rat   | NOAEL<br>2,000<br>mg/kg/day | 2 generation            |
| Sodium carbonate | Ingestion | Not classified for development       | Mouse | NOAEL 340<br>mg/kg/day      | during<br>organogenesis |

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

| Name                | Route      | Target Organ(s)        | Value                            | Species | Test result         | Exposure Duration |
|---------------------|------------|------------------------|----------------------------------|---------|---------------------|-------------------|
| Potassium carbonate | Inhalation | respiratory irritation | May cause respiratory irritation |         | NOAEL not available |                   |

**Specific Target Organ Toxicity - repeated exposure**

| Name             | Route      | Target Organ(s)   | Value          | Species | Test result                  | Exposure Duration |
|------------------|------------|---|----------------|---------|------------------------------|-------------------|
| Glycerol         | Inhalation | respiratory system   heart   liver   kidney and/or bladder              | Not classified | Rat     | NOAEL 3.91<br>mg/l           | 14 days           |
| Glycerol         | Ingestion  | endocrine system   hematopoietic system   liver   kidney and/or bladder | Not classified | Rat     | NOAEL<br>10,000<br>mg/kg/day | 2 years           |
| Sodium carbonate | Inhalation | respiratory system  | Not classified | Rat     | LOAEL 0.07<br>mg/l           | 3 months          |

**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**

**Ecotoxic to terrestrial vertebrates**

9.3C Terrestrial vertebrate toxicity

No product test data available.

| Material            | CAS Number | Organism      | Type         | Exposure | Test endpoint | Test result |
|---------------------|------------|---------------|--------------|----------|---------------|-------------|
| Glycerol            | 56-81-5    | Rainbow trout | Experimental | 96 hours | LC50          | 54,000 mg/l |
| Glycerol            | 56-81-5    | Water flea    | Experimental | 48 hours | LC50          | 1,955 mg/l  |
| Potassium carbonate | 584-08-7   | Rainbow trout | Experimental | 96 hours | LC50          | 68 mg/l     |
| Potassium carbonate | 584-08-7   | Water flea    | Experimental | 48 hours | EC50          | 200 mg/l    |



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|                  |           |                               |              |          |      |            |
|------------------|-----------|-------------------------------|--------------|----------|------|------------|
| Sodium carbonate | 497-19-8  | Algae or other aquatic plants | Experimental | 96 hours | EC50 | 242 mg/l   |
| Sodium carbonate | 497-19-8  | Bluegill                      | Experimental | 96 hours | LC50 | 300 mg/l   |
| Sodium carbonate | 497-19-8  | Water flea                    | Experimental | 48 hours | EC50 | 200 mg/l   |
| Tartrazine       | 1934-21-0 | Water flea                    | Experimental | 48 hours | EC50 | 5,707 mg/l |

**12.2. Persistence and degradability**

| Material            | CAS Number | Test type                         | Duration | Study Type    | Test result    | Protocol                          |
|---------------------|------------|-----------------------------------|----------|---------------|----------------|-----------------------------------|
| Glycerol            | 56-81-5    | Experimental Biodegradation       | 14 days  | BOD           | 63 % BOD/ThBOD | OECD 301C - MITI test (I)         |
| Potassium carbonate | 584-08-7   | Data not available - insufficient |          |               | N/A            |                                   |
| Sodium carbonate    | 497-19-8   | Data not available - insufficient |          |               | N/A            |                                   |
| Tartrazine          | 1934-21-0  | Estimated Biodegradation          | 28 days  | CO2 evolution | 2 % weight     | OECD 301B - Modified Sturm or CO2 |

**12.3 : Bioaccumulative potential**

| Material            | CAS Number | Test type   | Duration | Study Type             | Test result | Protocol      |
|---------------------|------------|---|----------|------------------------|-------------|---------------|
| Glycerol            | 56-81-5    | Experimental Bioconcentration                         |          | Log Kow                | -1.76       | Other methods |
| Potassium carbonate | 584-08-7   | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A           |
| Sodium carbonate    | 497-19-8   | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A           |
| Tartrazine          | 1934-21-0  | Experimental BCF-Carp                                 | 42 days  | Bioaccumulation factor | <3          | Other methods |

**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.

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Empty and clean product containers may be disposed as non-hazardous waste. Consult your specific regulations and service providers to determine available options and requirements. Dispose of waste product in a permitted industrial waste facility. Empty and

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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       | HSR002530   |
| Group standard name        | Cleaning Products (Subsidiary Hazard) Group Standard 2017 |
| 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.

|                        |            |                         |            |
|------------------------|------------|-------------------------|------------|
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### 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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