



## Safety Data Sheet

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<b>Document Group:</b>	36-0138-2	<b>Version Number:</b>	2.00
<b>Issue Date:</b>	03/06/2021	<b>Supersedes Date:</b>	17/10/2016

This Safety Data Sheet has been prepared in accordance with the Malaysia Occupational Safety and Health (Chemical Classification, Labelling and Safety Data Sheets) Regulations 2013.

### SECTION 1: Identification

#### 1.1. Product identifier

Scotchgard™ Fabric & Carpet Cleaner (Cat. No. 4107-14, 4107-16)

#### Product Identification Numbers

70-0052-8382-8      70-0052-8384-4      70-0068-4740-7      70-0070-4113-3      70-0070-4114-1

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

##### Recommended use

Fabric and carpet cleaner

For Consumer Use

#### 1.3. Supplier's details

**ADDRESS:** 3M Malaysia Sdn. Bhd., Level 8, Block F, Oasis Square, No.2, Jalan PJU 1A/7A, Ara Damansara 47301  
Petaling, Jaya, Selangor  
**Telephone:** 03-7884 2888  
**E Mail:** 3mmyehsr@mmm.com  
**Website:** www.3M.com.my

#### 1.4. Emergency telephone number

+60 03-7884 2888

### SECTION 2: Hazard identification

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

Gas Under Pressure: Liquefied gas.

Specific Target Organ Toxicity (single exposure): Category 2.

#### 2.2. Label elements

##### Signal word

Warning

##### Symbols

Gas cylinder | Health Hazard |

**Pictograms**



**Hazard Statements:**

H280 Contains gas under pressure; may explode if heated.

H371 May cause damage to organs: cardiovascular system.

**Precautionary statements**

**General:**

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

P102 Keep out of reach of children.

**Prevention:**

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

**Storage:**

P410 + P403 Protect from sunlight. Store in a well-ventilated place.

**Disposal:**

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

**2.3. Other hazards**

None known

**SECTION 3: Composition/information on ingredients**

This material is a mixture.

Ingredient	C.A.S. No.	% by Wt
Water	7732-18-5	80 - 95
ISOBUTANE	75-28-5	< 5
PETROLEUM GASES, LIQUEFIED, SWEETENED	68476-86-8	< 5
STYRENE-MALEIC ANHYDRIDE COPOLYMER	9011-13-6	1 - 5
SODIUM LAURYL SULFATE	151-21-3	< 1.5
LAURYL DIMETHYLAMINE OXIDE	1643-20-5	< 0.2
SODIUM NITRITE	7632-00-0	< 0.2

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**Inhalation:**

Remove person to fresh air. Get medical attention.

**Skin Contact:**

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

**Eye Contact:**

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

**If Swallowed:**

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

**4.2. Most important symptoms and effects, both acute and delayed**

Target organ effects. See Section 11 for additional details.

**4.3. Indication of any immediate medical attention and special treatment required**

Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

**SECTION 5: Fire-fighting measures**

**5.1. Suitable extinguishing media**

Use a fire fighting agent suitable for the surrounding fire.

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

Closed containers exposed to heat from fire may build pressure and explode.

**Hazardous Decomposition or By-Products**

Substance

Carbon monoxide  
Carbon dioxide  
Oxides of Sulfur

Condition

During Combustion  
During Combustion  
During Combustion

**5.3. Special protective actions for fire-fighters**

No special protective actions for fire-fighters are anticipated.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. 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 dikes to prevent entry into sewer systems or bodies of water.

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

If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available. 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. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Keep out of reach of children. Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapors/spray.

Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

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

Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store away from heat.

**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	C.A.S. No.	Agency	Limit type	Additional Comments
ISOBUTANE	75-28-5	ACGIH	STEL:1000 ppm	
Natural gas	75-28-5	ACGIH	Limit value not established:	simple asphyxiant

ACGIH : American Conference of Governmental Industrial Hygienists

CMRG : Chemical Manufacturer's Recommended Guidelines

Malaysia OELs : Malaysia. Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

**8.2. Exposure controls**

**8.2.1. Engineering controls**

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/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

**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

Nitrile Rubber

Natural Rubber

**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:

During heating: Use a positive pressure supplied-air respirator if there is a potential for over exposure from an uncontrolled release, exposure levels are not known, or under any other circumstances where air-purifying respirators may not provide

adequate protection.

Half facepiece or full facepiece supplied-air respirator

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

## SECTION 9: Physical and chemical properties

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

Physical state	Liquid
Specific Physical Form:	Aerosol
Color	Milky White
Odor	Floral
Odor threshold	No Data Available
pH	9.3
Melting point/Freezing point	Not Applicable
Boiling point/Initial boiling point/Boiling range	98 °C - 100 °C [Details:(Liquid Product)]
Flash Point	No flash point
Evaporation rate	Not Applicable
Flammability (solid, gas)	Not Applicable
Flammable Limits(LEL)	No Data Available
Flammable Limits(UEL)	No Data Available
Vapor Pressure	1,999.8 Pa - 2,266.5 Pa [@ 20 °C] [Test Method:Tested per ASTM protocol] [Details:(Liquid Product)]
Vapor Density and/or Relative Vapor Density	Not Applicable
Density	1 g/ml [Details:(Liquid Product)]
Relative Density	1 [Ref Std:WATER=1] [Details:(Liquid Product)]
Water solubility	Complete
Solubility- non-water	No Data Available
Partition coefficient: n-octanol/ water	No Data Available
Autoignition temperature	Not Applicable
Decomposition temperature	No Data Available
Viscosity/Kinematic Viscosity	1.29 mPa-s
Volatile Organic Compounds	4.9 %
Percent volatile	Approximately 95 %
VOC Less H2O & Exempt Solvents	No Data Available

### Nanoparticles

This material does not contain nanoparticles.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Heat

**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 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 labeling, 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.

May cause additional health effects (see below).

**Skin Contact:**

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

**Eye Contact:**

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

**Ingestion:**

No known health effects.

**Additional Health Effects:**

**Single exposure may cause target organ effects:**

Single exposure, above recommended guidelines, may cause: Cardiac Sensitization: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

**Toxicological Data**

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

**Acute Toxicity**

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE >5,000 mg/kg
Overall product	Inhalation-Dust/Mist(4 hr)		No data available; calculated ATE >12.5 mg/l

Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
ISOBUTANE	Inhalation-Gas (4 hours)	Rat	LC50 276,000 ppm
PETROLEUM GASES, LIQUEFIED, SWEETENED	Inhalation-Gas (4 hours)	Rat	LC50 277,000 ppm
SODIUM LAURYL SULFATE	Dermal	Rabbit	LD50 580 mg/kg
SODIUM LAURYL SULFATE	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 0.975 mg/l
SODIUM LAURYL SULFATE	Ingestion	Rat	LD50 1,650 mg/kg
LAURYL DIMETHYLAMINE OXIDE	Ingestion	Mouse	LD50 2,700 mg/kg
LAURYL DIMETHYLAMINE OXIDE	Dermal	Rabbit	LD50 3,536 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
ISOBUTANE	Professional judgement	No significant irritation
PETROLEUM GASES, LIQUEFIED, SWEETENED	Professional judgement	No significant irritation
SODIUM LAURYL SULFATE	Rabbit	Irritant

**Serious Eye Damage/Irritation**

Name	Species	Value
ISOBUTANE	Professional judgement	No significant irritation
PETROLEUM GASES, LIQUEFIED, SWEETENED	Professional judgement	No significant irritation
SODIUM LAURYL SULFATE	Rabbit	Corrosive

**Sensitization:**

**Skin Sensitization**

Name	Species	Value
LAURYL DIMETHYLAMINE OXIDE	Guinea pig	Not classified

**Respiratory Sensitization**

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

**Germ Cell Mutagenicity**

Name	Route	Value
ISOBUTANE	In Vitro	Not mutagenic
PETROLEUM GASES, LIQUEFIED, SWEETENED	In Vitro	Not mutagenic

**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**

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
ISOBUTANE	Inhalation	cardiac sensitization	Causes damage to organs	Multiple animal species	NOAEL Not available	
ISOBUTANE	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human and animal	NOAEL Not available	
ISOBUTANE	Inhalation	respiratory irritation	Not classified	Mouse	NOAEL Not available	
PETROLEUM GASES, LIQUEFIED, SWEETENED	Inhalation	cardiac sensitization	Causes damage to organs	similar compounds	NOAEL Not available	
PETROLEUM GASES, LIQUEFIED, SWEETENED	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL Not available	
PETROLEUM GASES, LIQUEFIED, SWEETENED	Inhalation	respiratory irritation	Not classified		NOAEL Not available	
SODIUM LAURYL SULFATE	Inhalation	respiratory irritation	May cause respiratory irritation	similar health hazards	NOAEL Not available	

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
ISOBUTANE	Inhalation	kidney and/or bladder	Not classified	Rat	NOAEL 4,500 ppm	13 weeks
PETROLEUM GASES, LIQUEFIED, SWEETENED	Inhalation	kidney and/or bladder	Not classified	Rat	NOAEL Not available	

**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 labeling, 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**

**Acute aquatic hazard:**

GHS Acute 3: Harmful to aquatic life.

**Chronic aquatic hazard:**



Not chronically toxic to aquatic life by GHS criteria.

No product test data available

Material	Cas #	Organism	Type	Exposure	Test Endpoint	Test Result
ISOBUTANE	75-28-5		Data not available or insufficient for classification			N/A
PETROLEUM GASES, LIQUEFIED, SWEETENED	68476-86-8		Data not available or insufficient for classification			n/a
STYRENE-MALEIC ANHYDRIDE COPOLYMER	9011-13-6		Data not available or insufficient for classification			N/A
SODIUM LAURYL SULFATE	151-21-3	Activated sludge	Experimental	3 hours	EC50	135 mg/l
SODIUM LAURYL SULFATE	151-21-3	Algae or other aquatic plants	Experimental	96 hours	EC50	30.2 mg/l
SODIUM LAURYL SULFATE	151-21-3	Atlantic Silverside	Experimental	96 hours	LC50	2.8 mg/l
SODIUM LAURYL SULFATE	151-21-3	Crustacea other	Experimental	48 hours	LC50	1.9 mg/l
SODIUM LAURYL SULFATE	151-21-3	Fish other	Experimental	96 hours	LC50	0.59 mg/l
SODIUM LAURYL SULFATE	151-21-3	Green algae	Experimental	96 hours	EC50	117 mg/l
SODIUM LAURYL SULFATE	151-21-3	Water flea	Experimental	48 hours	LC50	1.4 mg/l
SODIUM LAURYL SULFATE	151-21-3	Fathead Minnow	Experimental	42 days	NOEC	1.357 mg/l
SODIUM LAURYL SULFATE	151-21-3	Green Algae	Experimental	96 hours	EC10	12 mg/l
SODIUM LAURYL SULFATE	151-21-3	Water flea	Experimental	7 days	NOEC	0.88 mg/l
LAURYL DIMETHYLAMINE OXIDE	1643-20-5	Green algae	Experimental	72 hours	EC50	0.11 mg/l
LAURYL DIMETHYLAMINE OXIDE	1643-20-5	Medaka	Experimental	96 hours	LC50	30 mg/l
LAURYL DIMETHYLAMINE OXIDE	1643-20-5	Water flea	Experimental	48 hours	EC50	2.2 mg/l

E OXIDE						
LAURYL DIMETHYLAMINE OXIDE	1643-20-5	Fathead Minnow	Experimental	302 days	NOEC	0.42 mg/l
LAURYL DIMETHYLAMINE OXIDE	1643-20-5	Green algae	Experimental	72 hours	NOEC	0.0049 mg/l
LAURYL DIMETHYLAMINE OXIDE	1643-20-5	Water flea	Experimental	21 days	NOEC	0.36 mg/l
SODIUM NITRITE	7632-00-0	Crustacea other	Experimental	48 hours	LC50	37 mg/l
SODIUM NITRITE	7632-00-0	Green algae	Experimental	72 hours	EC50	>100 mg/l
SODIUM NITRITE	7632-00-0	Rainbow Trout	Experimental	96 hours	LC50	0.9 mg/l
SODIUM NITRITE	7632-00-0	Fathead Minnow	Estimated	32 days	NOEC	3.1 mg/l

### 12.2. Persistence and degradability

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
ISOBUTANE	75-28-5	Experimental Photolysis		Photolytic half-life (in air)	13.4 days (t <sub>1/2</sub> )	Non-standard method
PETROLEUM GASES, LIQUEFIED, SWEETENED	68476-86-8	Data not available - insufficient			N/A	
STYRENE-MALEIC ANHYDRIDE COPOLYMER	9011-13-6	Data not available - insufficient			N/A	
SODIUM LAURYL SULFATE	151-21-3	Experimental Biodegradation	28 days	Carbon dioxide evolution	95 % weight	OECD 301B - Mod. Sturm or CO <sub>2</sub>
LAURYL DIMETHYLAMINE OXIDE	1643-20-5	Experimental Biodegradation	28 days	Carbon dioxide evolution	95.27 % weight	OECD 301B - Mod. Sturm or CO <sub>2</sub>
SODIUM NITRITE	7632-00-0	Data not available - insufficient			N/A	

### 12.3. Bioaccumulative potential

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
ISOBUTANE	75-28-5	Experimental Bioconcentration		Log of Octanol/H <sub>2</sub> O part. coeff	2.76	Non-standard method
PETROLEUM GASES, LIQUEFIED, SWEETENED	68476-86-8	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
PETROLEUM GASES,	68476-86-8	Estimated Bioconcentration		Log of Octanol/H <sub>2</sub> O	2.8	Est: Octanol-water part. coeff

LIQUEFIED, SWEETENED		on		part. coeff		
STYRENE- MALEIC ANHYDRIDE COPOLYMER	9011-13-6	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
SODIUM LAURYL SULFATE	151-21-3	Experimental Bioconcentrati on		Log of Octanol/H2O part. coeff	≤-2.03	Non-standard method
LAURYL DIM ETHYLAMIN E OXIDE	1643-20-5	Estimated Bioconcentrati on		Log of Octanol/H2O part. coeff	1.85	Non-standard method
SODIUM NITRITE	7632-00-0	Experimental Bioconcentrati on		Log of Octanol/H2O part. coeff	-3.7	Non-standard method

#### 12.4. Mobility in soil

Please contact manufacturer for more details

#### 12.5 Other adverse effects

No information available

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

## SECTION 13: Disposal considerations

#### 13.1. Disposal methods

According to the Environmental Quality (Scheduled Wastes) Regulations 2005, scheduled waste has to be sent to a prescribed premise for recycling, treatment or disposal. Please approach Kualiti Alam for proper schedule waste classification and disposal.

## SECTION 14: Transport Information

#### Marine Transport (IMDG)

**UN Number:**UN1950

**Proper Shipping Name:**AEROSOLS, NON-FLAMMABLE

**Technical Name:**None assigned.

**Hazard Class/Division:**2.2

**Subsidiary Risk:**None assigned.

**Packing Group:**None assigned.

**Limited Quantity:**Yes

**Marine Pollutant:** None assigned.

**Marine Pollutant Technical Name:** None assigned.

**Other Dangerous Goods Descriptions:**

None assigned.

#### Air Transport (IATA)

**UN Number:**UN1950

**Proper Shipping Name:**AEROSOLS, NON-FLAMMABLE

**Technical Name:**None assigned.

**Hazard Class/Division:**2.2

**Subsidiary Risk:**None assigned.

**Packing Group:**None assigned.

**Limited Quantity:**None assigned.

**Marine Pollutant:** None assigned.

**Marine Pollutant Technical Name:** None assigned.

**Other Dangerous Goods Descriptions:**

None assigned.

Transportation classifications are provided as a customer service. As for shipping, YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling or marking requirements. The above information is only for reference. If you are shipping by air or ocean, YOU are advised to check & meet applicable regulatory requirements.

## 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.

## SECTION 16: Other information

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.

3M Malaysia SDSs are available at [www.3M.com.my](http://www.3M.com.my)