

# **Safety Data Sheet**

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This Safety Data Sheet has been prepared in accordance with the Notification of Ministry of Industry, System of Hazardous Classification and Communication B.E.2555.

# **SECTION 1: Identification**

### 1.1. Product identifier

ScotchBrite TM Duster Spray

**Company:** 3M Thailand Ltd.

Address: 12th Floor, Serm-Mitr Tower 159 Asoke Road (Sukhumvit 21) Bangkok 10110 Thailand

**Product Identification Numbers** 

XN-0020-2403-4 XN-0020-2537-9 XN-0020-3475-1

### 1.2. Recommended use and restrictions on use

#### Recommended use

Cleaner.

### 1.3. Supplier's details

ADDRESS: 3M Thailand Limited, Sukhumvit 21, Wattana, Bangkok 10110, Thailand

**Telephone:** 66(0)22608577

E Mail: 3MThailand@mmm.com Website: http://www.3M.com/TH

### 1.4. Emergency telephone number

66-2-2608577

# **SECTION 2: Hazard identification**

## 2.1. Classification of the substance or mixture

Skin Sensitizer: Category 1.

Acute Aquatic Toxicity: Category 3. Chronic Aquatic Toxicity: Category 3.

#### 2.2. Label elements

### Signal word

Warning

### **Symbols**

Exclamation mark |

# **Pictograms**



**Hazard Statements** 

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements** 

General:

P102 Keep out of reach of children.

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

**Prevention:** 

P280E Wear protective gloves.

**Response:** 

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

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	90 - 100
Silicone Emulsion	8050-81-5	1 - 5
Fragrance	Mixture	< 2
2-METHYL-4-ISOTHIAZOLINE-3-ONE	2682-20-4	< 0.1
5-CHLORO-2-METHYL-4-	26172-55-4	< 0.1
ISOTHIAZOLINE-3-ONE		

# **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:**

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

### **Eye Contact:**

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

#### If Swallowed:

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**

**Substance** 

Carbon monoxide Carbon dioxide

### Condition

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. Ventilate the area with fresh air. 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

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.

# **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Keep out of reach of children. Avoid breathing 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. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse.

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

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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	<b>Additional Comments</b>
5-CHLORO-2-METHYL-4-	26172-55-4	CMRG	TWA:0.076 mg/m3;STEL:0.23	Sensitizer
ISOTHIAZOLINE-3-ONE			mg/m3	
2-METHYL-4-	2682-20-4	CMRG	TWA:1.5 mg/m3;STEL:4.5	Sensitizer
ISOTHIAZOLINE-3-ONE			mg/m3	

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

CMRG: Chemical Manufacturer's Recommended Guidelines

Thailand OELs: Thailand. Ministry of Interior, Re: Notification Health and Safety in the Work Environment on chemical B.E.2520

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:

Safety Glasses with side shields

### 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: Nitrile Rubber

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron – Nitrile

### Respiratory protection

None required.

# **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Physical state Liquid

Appearance/Odor Characteristic odor, pink liquid.

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**Odor threshold** No Data Available

**pH** 5 - 7

**Melting point/Freezing point**Not Applicable

Boiling point/Initial boiling point/Boiling range 100 °C

**Flash Point** No flash point **Evaporation rate** No Data Available Not Applicable Flammability (solid, gas) Flammable Limits(LEL) No Data Available Flammable Limits(UEL) No Data Available **Vapor Pressure** No Data Available Vapor Density No Data Available **Density** 0.975 - 1.015 g/cm3

**Relative Density** 0.975 - 1.015 [*Ref Std:* WATER=1]

Water solubility Complete

Solubility- non-waterNo Data AvailablePartition coefficient: n-octanol/ waterNo Data AvailableAutoignition temperatureNo Data AvailableDecomposition temperatureNo Data AvailableViscosityNo Data Available

# **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

Not determined

### 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 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:**

No known health effects.

### **Skin Contact:**

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

### **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
2-METHYL-4-ISOTHIAZOLINE-3-ONE	Dermal	Rabbit	LD50 87 mg/kg
2-METHYL-4-ISOTHIAZOLINE-3-ONE	Inhalation- Dust/Mist (4 hours)	Rat	LC50 0.33 mg/l
2-METHYL-4-ISOTHIAZOLINE-3-ONE	Ingestion	Rat	LD50 40 mg/kg
5-CHLORO-2-METHYL-4-ISOTHIAZOLINE-3-ONE	Dermal	Rabbit	LD50 87 mg/kg
5-CHLORO-2-METHYL-4-ISOTHIAZOLINE-3-ONE	Inhalation- Dust/Mist (4 hours)	Rat	LC50 0.33 mg/l
5-CHLORO-2-METHYL-4-ISOTHIAZOLINE-3-ONE	Ingestion	Rat	LD50 40 mg/kg

 $<sup>\</sup>overline{ATE}$  = acute toxicity estimate

### Skin Corrosion/Irritation

Name	Species	Value
2-METHYL-4-ISOTHIAZOLINE-3-ONE	Rabbit	Corrosive
5-CHLORO-2-METHYL-4-ISOTHIAZOLINE-3-ONE	Rabbit	Corrosive

# **Serious Eye Damage/Irritation**

Name	Species	Value
2-METHYL-4-ISOTHIAZOLINE-3-ONE	Rabbit	Corrosive
5-CHLORO-2-METHYL-4-ISOTHIAZOLINE-3-ONE	Rabbit	Corrosive

## **Skin Sensitization**

Skin Schsitzation		
Name	Species	Value
2-METHYL-4-ISOTHIAZOLINE-3-ONE	Human	Sensitizing
	and	
	animal	
5-CHLORO-2-METHYL-4-ISOTHIAZOLINE-3-ONE	Human	Sensitizing
	and	
	animal	

# Photosensitization

Name	Species	Value
2-METHYL-4-ISOTHIAZOLINE-3-ONE	Human	Not sensitizing
	and	
	animal	
5-CHLORO-2-METHYL-4-ISOTHIAZOLINE-3-ONE	Human	Not sensitizing
	and	
	animal	

### **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
2-METHYL-4-ISOTHIAZOLINE-3-ONE	In vivo	Not mutagenic
2-METHYL-4-ISOTHIAZOLINE-3-ONE	In Vitro	Some positive data exist, but the data are not sufficient for classification
5-CHLORO-2-METHYL-4-ISOTHIAZOLINE-3-ONE	In vivo	Not mutagenic
5-CHLORO-2-METHYL-4-ISOTHIAZOLINE-3-ONE	In Vitro	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
2-METHYL-4-ISOTHIAZOLINE-3-ONE	Dermal	Mouse	Not carcinogenic
2-METHYL-4-ISOTHIAZOLINE-3-ONE	Ingestion	Rat	Not carcinogenic
5-CHLORO-2-METHYL-4-ISOTHIAZOLINE-3-ONE	Dermal	Mouse	Not carcinogenic
5-CHLORO-2-METHYL-4-ISOTHIAZOLINE-3-ONE	Ingestion	Rat	Not carcinogenic

### Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test Result	Exposure Duration
2-METHYL-4-ISOTHIAZOLINE-3-ONE	Ingestion	Not toxic to female reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
2-METHYL-4-ISOTHIAZOLINE-3-ONE	Ingestion	Not toxic to male reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
2-METHYL-4-ISOTHIAZOLINE-3-ONE	Ingestion	Not toxic to development	Rat	NOAEL 15 mg/kg/day	during organogenesis
5-CHLORO-2-METHYL-4- ISOTHIAZOLINE-3-ONE	Ingestion	Not toxic to female reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
5-CHLORO-2-METHYL-4- ISOTHIAZOLINE-3-ONE	Ingestion	Not toxic to male reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
5-CHLORO-2-METHYL-4- ISOTHIAZOLINE-3-ONE	Ingestion	Not toxic to development	Rat	NOAEL 15 mg/kg/day	during organogenesis

# Target Organ(s)

**Specific Target Organ Toxicity - single exposure** 

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
2-METHYL-4- ISOTHIAZOLINE-3-ONE	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
5-CHLORO-2-METHYL- 4-ISOTHIAZOLINE-3- ONE	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	

### 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 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:

GHS Chronic 3: Harmful to aquatic life with long lasting effects

No product test data available

Material	Cas #	Organism	Type	Exposure	<b>Test Endpoint</b>	Test Result
2-METHYL-4-	2682-20-4	Water flea	Experimental	48 hours	Effect	0.18 mg/l
ISOTHIAZOLI					Concentration	
NE-3-ONE					50%	
2-METHYL-4-	2682-20-4	Rainbow Trout	Experimental	96 hours	Lethal	0.07 mg/l
ISOTHIAZOLI					Concentration	
NE-3-ONE					50%	
5-CHLORO-2-	26172-55-4	Rainbow Trout	Laboratory	96 hours	Lethal	0.19 mg/l
METHYL-4-					Concentration	
ISOTHIAZOLI					50%	
NE-3-ONE						
5-CHLORO-2-	26172-55-4	Water flea	Laboratory	48 hours	Effect	0.18 mg/l
METHYL-4-					Concentration	
ISOTHIAZOLI					50%	
NE-3-ONE						
5-CHLORO-2-	26172-55-4	Green Algae	Laboratory	96 hours	Effect	0.062 mg/l
METHYL-4-					Concentration	
ISOTHIAZOLI					50%	
NE-3-ONE						
Silicone	8050-81-5		Data not			
Emulsion			available or			
			insufficient for			
			classification			

### 12.2. Persistence and degradability

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
Silicone	8050-81-5	Data not	N/A	N/A	N/A	N/A
Emulsion		available or				
		insufficient for				
		classification				
2-METHYL-4-	2682-20-4	Experimental	28 days	Carbon dioxide	48 % weight	Other methods

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ISOTHIAZOLI		Biodegradation		evolution		
NE-3-ONE						
5-CHLORO-2-	26172-55-4	Experimental	21 days	Biological	80 % weight	Other methods
METHYL-4-		Biodegradation		Oxygen		
ISOTHIAZOLI				Demand		
NE-3-ONE						

### 12.3. Bioaccumulative potential

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
Silicone	8050-81-5	Data not	N/A	N/A	N/A	N/A
Emulsion		available or				
		insufficient for				
		classification				
2-METHYL-4-	2682-20-4	Experimental		Log of	0.5	Other methods
ISOTHIAZOLI		Bioconcentrati		Octanol/H2O		
NE-3-ONE		on		part. coeff		
5-CHLORO-2-	26172-55-4	Experimental		Log of	0.45	Other methods
METHYL-4-		Bioconcentrati		Octanol/H2O		
ISOTHIAZOLI		on		part. coeff		
NE-3-ONE						

### 12.4. Mobility in soil

Please contact manufacturer for more details

### 12.5 Other adverse effects

# **SECTION 13: Disposal considerations**

### 13.1. Disposal methods

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

Dispose of waste product in a permitted industrial waste facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

# **SECTION 14: Transport Information**

Not hazardous for transportation.

UN No.: Not applicable

UN Proper Shipping Name: Not applicable Transport hazard class (IMO): Not applicable Transport hazard class (IATA): Not applicable

**Packing Group:** Not applicable **Environmental Hazards:** 

Not applicable

Special precautions for user

Not applicable.

# **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.

# **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 Thailand SDSs are available at http://www.3M.com/TH