



3M MATERIAL SAFETY DATA SHEET 3M(TM) GLASS CLEANER Ready-to-Use (Product No. 1, Twist 'n Fill(tm) System)  
05/23/2005



### Material Safety Data Sheet

Copyright, 2005, 3M Company. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

### SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME: 3M(TM) GLASS CLEANER Ready-to-Use (Product No. 1, Twist 'n Fill(tm) System)  
MANUFACTURER: 3M  
DIVISION: Commercial Care Division

ADDRESS: 3M Center  
St. Paul, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)

Issue Date: 05/23/2005

Supersedes Date: 05/29/2003

Document Group: 08-2583-6

Product Use:  
Specific Use: Non-streaking cleaner for windows, glass and mirrors as well as stainless steel, chrome, aluminum, ceramic and plastic.

### SECTION 2 - INGREDIENTS

Ingredient	C.A.S. No.	% by Wt
WATER	7732-18-5	> 95
1-PROPOXY-2-PROPANOL	1569-01-3	0.5 - 1.5
ALKYL ETHOXY CARBOXYLIC ACID	220622-96-8	< 0.1
ETHANOLAMINE	141-43-5	< 0.05
FRAGRANCE MATERIAL	Mixture	< 0.05

### SECTION 3 - HAZARDS IDENTIFICATION

#### 3.1 EMERGENCY OVERVIEW

Specific Physical Form: Liquid  
Odor, Color, Grade: Clear, light aqua blue color with apple fragrance.  
General Physical Form: Liquid  
Immediate health, physical, and environmental hazards:

#### 3.2 POTENTIAL HEALTH EFFECTS

3M MATERIAL SAFETY DATA SHEET 3M(TM) GLASS CLEANER Ready-to-Use (Product No. 1, Twist 'n Fill(tm) System)  
05/23/2005

#### Eye Contact:

Mild Eye Irritation: Signs/symptoms may include redness, pain, and tearing.

#### Skin Contact:

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

#### Inhalation:

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

#### Ingestion:

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

### 3.3 POTENTIAL ENVIRONMENTAL EFFECTS

A 3M Product Environmental Data Sheet (PED) is available.

A conservative assessment of this product indicates that its use and proper disposal are likely to present a low environmental risk. Potential use and misuse are unlikely to cause components to enter the environment in quantities or by routes that could cause adverse environmental impacts.

### 4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

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

Skin Contact: Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

Inhalation: Remove person to fresh air. If signs/symptoms develop, get medical attention.

If Swallowed: Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

### 5.1 FLAMMABLE PROPERTIES

Flash Point  
Flammable Limits - LEL  
Flammable Limits - UEL  
OSHA Flammability Classification:  
Not Applicable  
Not Applicable  
Not Applicable  
Not Applicable

### 5.2 EXTINGUISHING MEDIA

Material will not burn. Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

### 5.3 PROTECTION OF FIRE FIGHTERS



3M MATERIAL SAFETY DATA SHEET 3M(TM) GLASS CLEANER Ready-to-Use (Product No. 1, Twist 'n Fill(tm) System)  
6523/2605

**Special Fire Fighting Procedures:** Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

**Unusual Fire and Explosion Hazards:** Non-flammable; ordinary combustible material.

**Note:** See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

**Accidental Release Measures:** Observe precautions from other sections. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill. Ventilate the area with fresh air. Contain spill. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Dilute in a large excess of water. Carefully, and with stirring, add appropriate dilute acid such as sulfuric acid or vinegar. Confirm neutrality. For large spills, if necessary, get assistance from professional spill clean up team. For small spills, carefully neutralize spill by adding appropriate dilute acid such as vinegar. Work slowly to avoid boiling or splattering. Continue to add neutralizing agent until reaction stops. Let cool before collecting. Or use a commercially available caustic (alkaline or basic) spill clean-up kit. Follow kit directions exactly. 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. Collect as much of the spilled material as possible. Clean up residue with water. Clean up residue with detergent and water. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible. Observe precautions from other sections.

**In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.**

## 7.1 HANDLING

Keep out of the reach of children. Avoid breathing of vapors, mists or spray. Avoid prolonged or repeated skin contact. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid contact with oxidizing agents. NOTE: The above precautionary information presumes that this ready-to-use product has been diluted and dispensed from a TWIST 'n FILL(TM) Chemical Dispenser.

## 7.2 STORAGE

Keep container in well-ventilated area. Store away from oxidizing agents.

## 8.1 ENGINEERING CONTROLS

Use in a well-ventilated area.

## 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

### 8.2.1 Eye/Face Protection

Avoid eye contact with vapors, mists, or spray.

The following eye protection(s) are recommended: Safety Glasses with side shields.

### 8.2.2 Skin Protection

Avoid prolonged or repeated skin contact. Gloves not normally required.

3M MATERIAL SAFETY DATA SHEET 3M(TM) GLASS CLEANER Ready-to-Use (Product No. 1, Twist 'n Fill(tm) System)  
6523/2605

If prolonged or repeated skin contact is expected, select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

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

### 8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray. Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

### 8.2.4 Prevention of Swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

## 8.3 EXPOSURE GUIDELINES

Ingredient	Authority	Type	Limit	Additional Information
ETHANOLAMINE	ACGIH	TWA	3 ppm	
ETHANOLAMINE	ACGIH	STEL	6 ppm	
ETHANOLAMINE	OSHA	TWA	3 ppm	Table Z-1A
ETHANOLAMINE	OSHA	STEL	6 ppm	Table Z-1A

### SOURCE OF EXPOSURE LIMIT DATA:

ACGIH: American Conference of Governmental Industrial Hygienists  
CMRG: Chemical Manufacturer Recommended Guideline  
OSHA: Occupational Safety and Health Administration  
AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

**Specific Physical Form:**  
Clear, light aqua blue color with apple fragrance.  
**Odor, Color, Grade:**  
Liquid

**General Physical Form:**  
Liquid  
**Flash Point**  
Not Applicable  
**Flammable Limits - LEL**  
Not Applicable  
**Flammable Limits - UEL**  
Not Applicable  
**Boiling point**  
212 °F

**Vapor Density**  
No Data Available  
**Vapor Pressure**  
24 mmHg  
**Vapor Pressure**  
Not Applicable  
**Specific Gravity**  
Approximately 1 [Ref Stat: WATER=1]  
**pH**  
9.5 - 10.5  
**Melting point**  
No Data Available

**Solubility in Water**  
Complete  
**Evaporation rate**  
No Data Available  
**Hazardous Air Pollutants**  
No Data Available  
**Volatiles Organic Compounds**  
1 % weight - 5 % [Test Method: calculated per CARB title 2]  
**Percent volatile**  
> 95 %  
**VOC Less H2O & Exempt Solvents**  
113.89 - 569.47 g/l [Test Method: calculated per CARB title 2]  
**Viscosity**  
< 50 centipoise

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid: Strong oxidizing agents

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products

Substance	Condition
Aldehydes	During Combustion
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion

SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

A 3M Product Environmental Data Sheet (PED) is available.

CHEMICAL FATE INFORMATION

A 3M Product Environmental Data Sheet (PED) is available.

SECTION 13: DISPOSAL INFORMATION

Waste Disposal Method: Discharge spent solutions and small quantities of less than 5 gallons (20 liters) to a municipal or industrial wastewater treatment system.  
For larger quantities:  
Dispose of waste product in a facility permitted to accept chemical waste.

EPA Hazardous Waste Number (RCRA): Not regulated

Since regulations vary, consult applicable regulations or authorities before disposal.

SECTION 14: REGULATORY INFORMATION

LN-DCCX-RTU0-1

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this

material.

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

311/312 Hazard Categories:

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - No

STATE REGULATIONS

CHEMICAL INVENTORIES

The components of this product are in compliance with the chemical notification requirements of TSCA.

INTERNATIONAL REGULATIONS

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION

NFPA Hazard Classification

Health: 1 Flammability: 0 Reactivity: 0 Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

HMIS Hazard Classification

Health: 1 Flammability: 0 Reactivity: 0 Protection: X - See PPE section.

Hazardous Material Identification System (HMIS®) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under exposed conditions of normal use and are not intended for use in emergency situations. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint and Coatings Association (NPCA).

Revision Changes:

Section 1: Product use information was modified.

Section 16: NFPA hazard classification heading was modified.

Section 16: HMIS hazard classification heading was modified.

Section 16: NFPA hazard classification for health was modified.

Section 16: NFPA hazard classification for flammability was modified.

Section 16: HMIS hazard classification for health was modified.

Section 16: HMIS hazard classification for flammability was modified.

Section 3: Potential environmental effects heading was modified.

Copyright was modified.

Section 5: OSHA flammability data was modified.

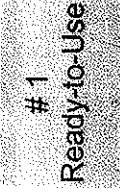
Section 8: Exposure guidelines data source legend was modified.

Section 4: First aid for eye contact - medical assistance - was modified.

Section 3: Potential effects from skin contact information was modified.

Section 3: Potential effects from inhalation information was modified.

Section 3: Potential effects from ingestion information was modified.



- Section 5: Extinguishing media information was modified.  
 Section 5: Fire fighting procedures information was modified.  
 Section 6: Release measures information was modified.  
 Section 7: Handling information was modified.  
 Section 8: Skin protection phrase was modified.  
 Section 8: Respiratory protection information was modified.  
 Section 15: 311/312 hazard categories heading was modified.  
 Section 4: First aid for skin contact - decontamination - was modified.  
 Section 4: First aid for inhalation - termination of exposure - was modified.  
 Section 4: First aid for inhalation - medical assistance - was modified.  
 Section 10: Hazardous polymerization heading was modified.  
 Section 2: Ingredient table was modified.  
 Section 16: HMIS explanation was modified.  
 Section 16: NFPA explanation was modified.  
 Section 15: 311/312 Immediate Hazard score was modified.  
 Section 12: Ecotoxicological information heading was modified.  
 Section 12: Chemical fate information heading was modified.  
 Section 9: Vapor pressure value was modified.  
 Section 9: Boiling point information was modified.  
 Section 5: Flammable limits (UEL) information was modified.  
 Section 5: Flammable limits (LEL) information was modified.  
 Section 9: Vapor pressure text was modified.  
 Section 5: Flash point information was modified.  
 Section 9: Property description for optional properties was modified.  
 Section 16: NFPA hazard classification for special hazards was modified.  
 Section 9: Flash point information was modified.  
 Section 9: Flammable limits (LEL) information was modified.  
 Section 9: Flammable limits (UEL) information was modified.  
 Section 12: Ecotoxicological phrase was modified.  
 Section 12: Chemical Fate phrase was modified.  
 Section 8: Skin protection comment was added.  
 Section 8: Eye/face protection information was added.  
 Section 8: Eye/face protection text was added.  
 Section 14: ID Number(s) was added.  
 Section 15: Inventories information was added.  
 Section 2: Ingredient phrase was added.  
 Section 8: Eye/face protection information - punctuation - was added.  
 Section 3: Other potential health effects heading was deleted.  
 Section 3: Immediate other hazard(s) was deleted.  
 Section 3: Other health effects information was deleted.  
 Section 5: Autoignition temperature information was deleted.  
 Section 9: Autoignition temperature information was deleted.

3M MSDSs are available at [www.3M.com](http://www.3M.com)

**DISCLAIMER:** The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M.

3M MATERIAL SAFETY DATA SHEET 3M(TM) DEODORIZER - FRESH SCENT - Ready-to-Use (Product No. 13, Twist 'n Fill(tm) System) 30112905



Material Safety Data Sheet

Copyright 2005, 3M Company. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 3M(TM) DEODORIZER - FRESH SCENT - Ready-to-Use (Product No. 13, Twist 'n Fill(tm) System)
MANUFACTURER: 3M
DIVISION: Commercial Care Division
ADDRESS: 3M Center
St. Paul, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)

Issue Date: 10/11/2005
Supersedes Date: 10/03/2005
Document Group: 20-4453-5

Product Use: Specific Use: Long-lasting deodorizer leaves a fresh, clean scent.

SECTION 2: INGREDIENTS

Table with 2 columns: Ingredient, C.A.S. No., % by Wt. Includes WATER, POLYALKOXY ALCOHOLS, FLORAL ODORANT, SORBITAN POLYETHOXY MONOLAUARATE, C.I. ACID VIOLET 12, DISODIUM SALT.

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Specific Physical Form: Liquid
Odor, Color, Grade: Clear; blue color; fresh, clean fragrance.
General Physical Form: Liquid
Immediate health, physical, and environmental hazards:

3.2 POTENTIAL HEALTH EFFECTS

3M MATERIAL SAFETY DATA SHEET 3M(TM) DEODORIZER - FRESH SCENT - Ready-to-Use (Product No. 13, Twist 'n Fill(tm) System) 107112905

Eye Contact: Mild Eye Irritation: Signs/symptoms may include redness, pain, and tearing.

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

Inhalation: Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Ingestion: Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

SECTION 4: FIRST AID MEASURES

4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

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

Skin Contact: Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

Inhalation: Remove person to fresh air. If signs/symptoms develop, get medical attention.

If Swallowed: Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Flash Point: Not Applicable
Flammable Limits - LEL: Not Applicable
Flammable Limits - UEL: Not Applicable
OSHA Flammability Classification: Not Applicable

5.2 EXTINGUISHING MEDIA

Material will not burn.

5.3 PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures: Nonflammable. Material will not burn.

Unusual Fire and Explosion Hazards: Material will not burn.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Observe precautions from other sections. Call 3M HELPS line (1-800-364-3577) for more



3M MATERIAL SAFETY DATA SHEET 3M(TM) DEODORIZER - FRESH SCENT - Ready-to-Use (Product No. 13, Twist 'n Fill(tm) System) 10/11/2005

information on handling and managing the spill. Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. Contain spill. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. 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. Collect as much of the spilled material as possible. Clean up residue with water. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.

## SECTION 7. HANDLING AND STORAGE

### 7.1 HANDLING

Keep out of the reach of children. Avoid breathing of vapors, mists or spray. Avoid eye contact with vapors, mists, or spray. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. NOTE: The above precautionary information presumes that this ready-to-use product has been diluted and dispensed from a TWIST 'n FILL(TM) Chemical Dispenser.

### 7.2 STORAGE

Store under normal warehouse conditions.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 ENGINEERING CONTROLS

Use in a well-ventilated area.

### 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### 8.2.1 Eye/Face Protection

Avoid eye contact with vapors, mists, or spray.

#### 8.2.2 Skin Protection

Avoid prolonged or repeated skin contact. Gloves not normally required.

#### 8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray. Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

#### 8.2.4 Prevention of Swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

### 8.3 EXPOSURE GUIDELINES

None Established

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Specific Physical Form: Liquid

3M MATERIAL SAFETY DATA SHEET 3M(TM) DEODORIZER - FRESH SCENT - Ready-to-Use (Product No. 13, Twist 'n Fill(tm) System) 10/11/2005

Odor, Color, Grade:  
General Physical Form:

Clear; blue color; fresh, clean fragrance.  
Liquid

Flash Point

Not Applicable

Flammable Limits - LEL

Not Applicable

Flammable Limits - UEL

Not Applicable

Boiling point

212 °F

Density

1 [Ref Std: WATER=1]

Specific Gravity

1 [Ref Std: WATER=1]

pH

6.5 - 7.5

Solubility in Water

Complete

Evaporation rate

1 [Ref Std: WATER=1]

Hazardous Air Pollutants

Not Applicable

Volatile Organic Compounds

0.1 % weight - 1 % weight [Test Method: calculated per CARB title 2]

Percent volatile

> 95 %

VOC Less H2O & Exempt Solvents

81 - 812 g/l [Test Method: calculated per CARB title 2]

Viscosity

< 100 centipoise

## SECTION 10. STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid: None known

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition: Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

## SECTION 11. TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

## SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

A 3M Product Environmental Data Sheet (PED) is available.

CHEMICAL FATE INFORMATION

A 3M Product Environmental Data Sheet (PED) is available.

3M MATERIAL SAFETY DATA SHEET 3M(TM) DEODORIZER - FRESH SCENT - Ready-to-Use (Product No. 13, Twist 'n Fill(tm) System) 10/11/2005

### SPECIAL DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Discharge spent solutions and small quantities of less than 5 gallons (20 liters) to a municipal or industrial wastewater treatment system.

Reduce discharge rate if foaming occurs. Dispose of waste product in a facility permitted to accept chemical waste.

**EPA Hazardous Waste Number (RCRA):** Not regulated

Since regulations vary, consult applicable regulations or authorities before disposal.

### SPECIAL PRECAUTIONS

**ID Number(s):**  
LN-DCCX-127B-1

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material.

### SPECIAL PRECAUTIONS

#### US FEDERAL REGULATIONS

311/312 Hazard Categories:

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - No

#### STATE REGULATIONS

#### CHEMICAL INVENTORIES

The components of this product are in compliance with the chemical notification requirements of TSCA.

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS.

All the components of this product are listed on China's Inventory of Chemical Substances.

The components of this product are in compliance with notification requirements in the Philippines.

The components of this product are listed on the Canadian Domestic Substances List.

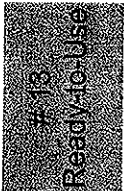
#### INTERNATIONAL REGULATIONS

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### SPECIAL PRECAUTIONS

**NFPA Hazard Classification**

Health: 1 Flammability: 0 Reactivity: 0 Special Hazards: None



3M MATERIAL SAFETY DATA SHEET 3M(TM) DEODORIZER - FRESH SCENT - Ready-to-Use (Product No. 13, Twist 'n Fill(tm) System) 10/11/2005

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

#### HMS Hazard Classification

Health: 1 Flammability: 0 Reactivity: 0 Protection: X - See PPE section.

Hazardous Material Identification System (HMIS®) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint and Coatings Association (NPCA).

#### Revision Changes:

- Section 7: Handling information was modified.
- Section 8: Engineering controls information was modified.
- Section 1: Initial issue message was modified.
- Section 8: Skin protection comment was deleted.
- Section 8: Eye/face protection information was deleted.
- Section 8: Eye/face protection text was deleted.
- Section 8: Eye/face protection information - punctuation - was deleted.

**DISCLAIMER:** The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose, and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M.

3M MSDSs are available at [www.3M.com](http://www.3M.com)



3M MATERIAL SAFETY DATA SHEET 3M™ DEODORIZER - MOUNTAIN SPICE - Ready-to-Use (Product No. 14, Twist 'n Fill (tm) System) 07/27/2005

3M MATERIAL SAFETY DATA SHEET 3M™ DEODORIZER - MOUNTAIN SPICE - Ready-to-Use (Product No. 14, Twist 'n Fill (tm) System) 07/27/2005



Material Safety Data Sheet

Copyright 2005, 3M Company. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 3M™ DEODORIZER - MOUNTAIN SPICE - Ready-to-Use (Product No. 14, Twist 'n Fill (tm) System)
MANUFACTURER: 3M
DIVISION: Commercial Care Division
ADDRESS: 3M Center, St. Paul, MN 55144-1000
EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)

Issue Date: 07/27/2005
Supersedes Date: 08/12/2002
Document Group: 06-8479-5

Product Use: Air deodorizer
Specific Use:

SECTION 2 HAZARD IDENTIFICATION

Table with 3 columns: Ingredient, C.A.S. No., % by Wt.
Ingredients include WATER, POLYALKOXY ALCOHOLS, FRAGRANCE (INTSN 04499600-6518), SORBITAN POLYETHOXY MONOLAUARATE, 1-METHOXY-2-PROPANOL.

SECTION 3 HAZARD IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Specific Physical Form: Liquid
Odor, Color, Grade: Clear, yellow-green color, spicy fragrance.
General Physical Form: Liquid
Immediate health, physical, and environmental hazards: May cause allergic skin reaction.

3.2 POTENTIAL HEALTH EFFECTS



Eye Contact: Mild Eye Irritation: Signs/symptoms may include redness, pain, and tearing.

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

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

Inhalation: Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Ingestion: Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

SECTION 4 FIRST AID MEASURES

4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

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

Skin Contact: Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Inhalation: Remove person to fresh air. If signs/symptoms develop, get medical attention.

If Swallowed: Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

SECTION 5 FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Flash Point: Not Applicable

OSHA Flammability Classification: Not Applicable

5.2 EXTINGUISHING MEDIA

Material will not burn.

5.3 PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures: Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA). Material will not burn.

**Waste Disposal Method:** Discharge spent solutions and small quantities of less than 5 gallons (20 liters) to a municipal or industrial wastewater treatment system.

Reduce discharge rate if foaming occurs. Dispose of waste product in a facility permitted to accept chemical waste.

**EPA Hazardous Waste Number (RCRA):** Not regulated

Since regulations vary, consult applicable regulations or authorities before disposal.

**ID Number(s):**  
LN-DCCX-127B-1

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material.

## US FEDERAL REGULATIONS

**31/1312 Hazard Categories:**  
Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - No

## STATE REGULATIONS

## CHEMICAL INVENTORIES

The components of this product are in compliance with the chemical notification requirements of TSCA.

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS.

All the components of this product are listed on China's Inventory of Chemical Substances.

The components of this product are in compliance with notification requirements in the Philippines.

The components of this product are listed on the Canadian Domestic Substances List.

## INTERNATIONAL REGULATIONS

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**NFPA Hazard Classification**  
Health: 1 Flammability: 0 Reactivity: 0 Special Hazards: None

Ready-to-Use

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

## HMIS Hazard Classification

**Health: 1 Flammability: 0 Reactivity: 0 Protection: X - See PPE section.**

Hazardous Material Identification System (HMIS®) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint and Coatings Association (NPCA).

## Revision Changes:

- Section 7: Handling information was modified.
- Section 8: Engineering controls information was modified.
- Section 1: Initial issue message was modified.
- Section 8: Skin protection comment was deleted.
- Section 8: Eye/face protection information was deleted.
- Section 8: Eye/face protection text was deleted.
- Section 8: Eye/face protection information - punctuation - was deleted.

**DISCLAIMER:** The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M.

3M MSDSs are available at [www.3M.com](http://www.3M.com)