



## Safety Data Sheet

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|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
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### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Non-Acid Bathroom Cleaner Concentrate (Product No. 19, Twist 'N Fill™ System)

#### Product Identification Numbers

| ID Number      | UPC              | ID Number      | UPC              |
|----------------|------------------|----------------|------------------|
| 61-0000-6343-0 |                  | 70-0708-4019-7 | 00-48011-23207-7 |
| 70-0716-8289-5 | 00-48011-23207-7 |                |                  |

7000002092, 7100063521, 7010328502

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

##### Recommended use

Daily-use bathroom cleaner for toilets, urinals and other hard surfaces., Hard Surface Cleaner

#### 1.3. Supplier's details

|                      |   |
|----------------------|---|
| <b>MANUFACTURER:</b> | 3M                                      |
| <b>DIVISION:</b>     | Commercial Solutions Division           |
| <b>ADDRESS:</b>      | 3M Center, St. Paul, MN 55144-1000, USA |
| <b>Telephone:</b>    | 1-888-3M HELPS (1-888-364-3577)         |

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazard identification

#### 2.1. Hazard classification

Serious Eye Damage/Irritation: Category 2A.

Skin Corrosion/Irritation: Category 2.

#### 2.2. Label elements

##### Signal word

Warning

##### Symbols

Exclamation mark |

##### Pictograms

**Hazard Statements**

Causes serious eye irritation.  
Causes skin irritation.

**Precautionary Statements****Prevention:**

Wear protective gloves and eye/face protection.  
Wash thoroughly after handling.

**Response:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.

39% of the mixture consists of ingredients of unknown acute oral toxicity.

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

| Ingredient                       | C.A.S. No.    | % by Wt                 |
|----------------------------------|---------------|-------------------------|
| Water                            | 7732-18-5     | 50 - 80 Trade Secret *  |
| CARBOXYIMIDAZOLINIUM SALT        | 13039-35-5    | 15 - 40 Trade Secret *  |
| Sodium Chloride                  | 7647-14-5     | 3 - 7 Trade Secret *    |
| ASCORBIC ACID                    | 50-81-7       | < 1 Trade Secret *      |
| Ethanol                          | 64-17-5       | < 0.5 Trade Secret *    |
| Fragrance (NJTSRN 04499600-6540) | Trade Secret* | < 0.5 Trade Secret *    |
| Acid Green 25                    | 4403-90-1     | < 0.02 Trade Secret *   |
| Acid Yellow 73 Sodium Salt       | 518-47-8      | < 0.02 Trade Secret *   |
| Acid Violet 43                   | 4430-18-6     | < 0.0005 Trade Secret * |

NJTS or NJTSRN: New Jersey Trade Secret Registry Number.

\*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

**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:**

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. 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**

No critical symptoms or effects. 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. 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**

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****7.1. Precautions for safe handling**

For industrial/occupational use only. Not for consumer sale or use. This product is not intended to be used without prior dilution as specified on the product label. Grounding or safety shoes with electrostatic dissipating soles (ESD) are not required with a chemical dispensing system. 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. Avoid release to the environment.

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

No special storage requirements.

**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          |
|------------|------------|--------|--------------------------|------------------------------|
| Ethanol    | 64-17-5    | ACGIH  | STEL:1000 ppm            | A3: Confirmed animal carcin. |
| Ethanol    | 64-17-5    | OSHA   | TWA:1900 mg/m3(1000 ppm) |                              |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

OSHA : United States Department of Labor - Occupational Safety and Health Administration

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

**8.2. Exposure controls****8.2.1. Engineering controls**

NOTE: When used with a chemical dispensing system as directed, special ventilation is not required. 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**

NOTE: When used with a chemical dispensing system as directed, eye contact with the concentrate is not expected to occur. The following protection(s) are recommended if the product is not used with a chemical dispensing system or if there is an accidental release, wear protective 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:

Indirect Vented Goggles

**Skin/hand protection**

NOTE: When used with a chemical dispensing system as directed, skin contact with the concentrate is not expected to occur. If product is not used with a chemical dispensing system or if there is an accidental release:

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.

Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.

Gloves made from the following material(s) are recommended: Polymer laminate

**Respiratory protection**

NOTE: When used with a chemical dispensing system as directed, respiratory protection is not required.

If product is not used with a chemical dispensing system or if there is an accidental release:

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 and particulates

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

#### Appearance

Physical state  
Color

Liquid  
Green

#### Specific Physical Form:

Liquid

#### Odor

Pleasant Odor

#### Odor threshold

*No Data Available*

#### pH

8.5 - 10.5

#### Melting point

*Not Applicable*

#### Boiling Point

Approximately 210 °F

#### Flash Point

No flash point

#### Evaporation rate

*No Data Available*

#### Flammability (solid, gas)

Not Applicable

#### Flammable Limits(LEL)

*Not Applicable*

#### Flammable Limits(UEL)

*Not Applicable*

#### Vapor Pressure

17.5 mmHg [@ 68 °F]

#### Vapor Density

*No Data Available*

#### Density

1.1 g/ml

#### Specific Gravity

1 - 1.1 [Ref Std: WATER=1]

#### Solubility in Water

Complete

#### Solubility- non-water

*No Data Available*

#### Partition coefficient: n-octanol/ water

*No Data Available*

#### Autoignition temperature

*No Data Available*

#### Decomposition temperature

*No Data Available*

#### Viscosity

15.8 - 17.4 Saybolt Universal Second

#### Volatile Organic Compounds

0 % weight [Test Method:calculated per CARB title 2]

#### VOC Less H2O & Exempt Solvents

0 g/l [Test Method:calculated per CARB title 2]

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

**Substance**

None known.

**Condition**

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.

**Skin Contact:**

Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain.  
Allergic Skin Reaction (non-photo induced) in sensitive people: Signs/symptoms may include redness, swelling, blistering, and itching.

**Eye Contact:**

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

**Ingestion:**

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

**Additional Information:**

This product contains ethanol. Alcoholic beverages and ethanol in alcoholic beverages have been classified by the International Agency for Research on Cancer as carcinogenic to humans. There are also data associating human consumption of alcoholic beverages with developmental toxicity and liver toxicity. Exposure to ethanol during the foreseeable use of this product is not expected to cause cancer, developmental toxicity, or liver toxicity.

**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 |
| Sodium Chloride | Dermal                         | Rabbit  | LD50 > 10,000 mg/kg                            |
| Sodium Chloride | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 > 10.5 mg/l                               |
| Sodium Chloride | Ingestion                      | Rat     | LD50 3,550 mg/kg                               |
| Ethanol         | Dermal                         | Rabbit  | LD50 > 15,800 mg/kg                            |
| Ethanol         | Inhalation-Vapor (4            | Rat     | LC50 124.7 mg/l                                |

|         |           |     |                   |
|---------|-----------|-----|-------------------|
|         | hours)    |     |                   |
| Ethanol | Ingestion | Rat | LD50 17,800 mg/kg |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name            | Species       | Value                     |
|-----------------|---------------|---------------------------|
| Overall product | In vitro data | Irritant                  |
| Sodium Chloride | Rabbit        | No significant irritation |
| Ethanol         | Rabbit        | No significant irritation |

### Serious Eye Damage/Irritation

| Name            | Species       | Value           |
|-----------------|---------------|-----------------|
| Overall product | In vitro data | Severe irritant |
| Sodium Chloride | Rabbit        | Mild irritant   |
| Ethanol         | Rabbit        | Severe irritant |

### Skin Sensitization

| Name    | Species | Value          |
|---------|---------|----------------|
| Ethanol | Human   | 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  |
|-----------------|----------|--|
| Sodium Chloride | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Sodium Chloride | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| Ethanol         | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Ethanol         | In vivo  | Some positive data exist, but the data are not sufficient for classification |

### Carcinogenicity

| Name            | Route     | Species                 | Value  |
|-----------------|-----------|-------------------------|--|
| Sodium Chloride | Ingestion | Rat                     | Not carcinogenic   |
| Ethanol         | Ingestion | Multiple animal species | 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              |
|---------|------------|--------------------------------|---------|-----------------------|--------------------------------|
| Ethanol | Inhalation | Not classified for development | Rat     | NOAEL 38 mg/l         | during gestation               |
| Ethanol | Ingestion  | Not classified for development | Rat     | NOAEL 5,200 mg/kg/day | prematuring & during gestation |

### Target Organ(s)

#### Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure |
|------|-------|-----------------|-------|---------|-------------|----------|
|------|-------|-----------------|-------|---------|-------------|----------|

|         |            |                                   |  |                         |                     | <b>Duration</b> |
|---------|------------|-----------------------------------|--|-------------------------|---------------------|-----------------|
| Ethanol | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human                   | LOAEL 9.4 mg/l      | not available   |
| Ethanol | Inhalation | central nervous system depression | Not classified   | Human and animal        | NOAEL not available |                 |
| Ethanol | Ingestion  | central nervous system depression | Not classified   | Multiple animal species | NOAEL not available |                 |
| Ethanol | Ingestion  | kidney and/or bladder             | Not classified   | Dog                     | NOAEL 3,000 mg/kg   |                 |

### Specific Target Organ Toxicity - repeated exposure

| Name            | Route      | Target Organ(s)                                 | Value  | Species | Test Result           | Exposure Duration |
|-----------------|------------|---|--|---------|-----------------------|-------------------|
| Sodium Chloride | Ingestion  | blood   kidney and/or bladder   vascular system | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL 2,240 mg/kg/day | 9 months          |
| Sodium Chloride | Ingestion  | nervous system   eyes                           | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL 1,700 mg/kg/day | 90 days           |
| Sodium Chloride | Ingestion  | liver   respiratory system                      | Not classified   | Rat     | NOAEL 33 mg/kg/day    | 90 days           |
| Ethanol         | Inhalation | liver   | Some positive data exist, but the data are not sufficient for classification | Rabbit  | LOAEL 124 mg/l        | 365 days          |
| Ethanol         | Inhalation | hematopoietic system   immune system            | Not classified   | Rat     | NOAEL 25 mg/l         | 14 days           |
| Ethanol         | Ingestion  | liver   | Some positive data exist, but the data are not sufficient for classification | Rat     | LOAEL 8,000 mg/kg/day | 4 months          |
| Ethanol         | Ingestion  | kidney and/or bladder                           | Not classified   | Dog     | NOAEL 3,000 mg/kg/day | 7 days            |

### 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

### 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 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.

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

## SECTION 14: Transport Information

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

## SECTION 15: Regulatory information

### 15.1. US Federal Regulations

#### EPCRA 311/312 Hazard Classifications:

##### Physical Hazards

Not applicable

##### Health Hazards

Serious eye damage or eye irritation

Skin Corrosion or Irritation

### 15.2. State Regulations

### 15.3. Chemical Inventories

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 material are in compliance with the China "Measures on Environmental Management of New Chemical Substance". Certain restrictions may apply. Contact the selling division for additional information.

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.

This product complies with the New Zealand Hazardous Substances and New Organisms Act (1996).

### 15.4. International Regulations

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

## SECTION 16: Other information

#### NFPA Hazard Classification

**Health:** 2 **Flammability:** 0 **Instability:** 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.

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