



## Safety Data Sheet

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### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Neutral Cleaner LO Ready-to-Use (Product No. 33, Twist 'n Fill™ System)

#### Product Identification Numbers

|                |     |                |     |
|----------------|-----|----------------|-----|
| ID Number      | UPC | ID Number      | UPC |
| LN-D100-0928-7 |     | 61-0000-6318-2 |     |

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

##### Recommended use

Hard Surface Cleaner. No-rinse low-odor cleaner can be used in automatic scrubber or with mop to clean washable hard floors. Will not dull or damage floor finishes. No Fragrance Added.

This is a use dilution of a product that meets Green Seal™ Standard GS-37 based on effective performance, concentrated volume, minimized/recycled packaging, and protective limits on: VOCs and human & environmental toxicity. GreenSeal.org.

#### 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

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### 2.2. Label elements

##### Signal word

Not applicable.

##### Symbols

Not applicable.

##### Pictograms

Not applicable.

#### 2.3. Hazards not otherwise classified

None.

### SECTION 3: Composition/information on ingredients

| <b>Ingredient</b>                          | <b>C.A.S. No.</b> | <b>% by Wt</b>            |
|--------------------------------------------|-------------------|---------------------------|
| WATER                                      | 7732-18-5         | > 99 Trade Secret *       |
| ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED | 68439-51-0        | 0.01 - 0.1 Trade Secret * |
| ETHOXYLATED C9-11 ALCOHOLS                 | 68439-46-3        | 0.01 - 0.1 Trade Secret * |
| Surfactant (NJTSRN 04499600-6632)          | Trade Secret*     | < 0.01 Trade Secret *     |
| 1-OCTYL-2-PYRROLIDINONE                    | 2687-94-7         | < 0.01 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:**

Wash with soap and water. 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.

#### 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. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. 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.

## 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

For industrial or professional use only. NOTE: The above precautionary information presumes that this ready-to-use product has been diluted and dispensed from a chemical dispensing system. Keep out of reach of children. Avoid breathing mist/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

## 7.2. Conditions for safe storage including any incompatibilities

Store away from oxidizing agents.

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### Occupational exposure limits

No occupational exposure limit values exist for any of the components listed in Section 3 of this SDS.

## 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 mist/spray. If ventilation is not adequate, use respiratory protection equipment.

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

Under normal use conditions, eye exposure is not expected to be significant enough to require eye protection.

#### Skin/hand protection

Under normal use conditions, skin exposure is not expected to be significant enough to require skin protection.

#### Respiratory protection

Respiratory protection is not required.

# SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

### General Physical Form:

Liquid

### Specific Physical Form:

Liquid

### Odor, Color, Grade:

Light peach color liquid slight soapy odor. No Fragrance Added.

### Odor threshold

No Data Available

### pH

6 - 7

|                                           |                                                                    |
|-------------------------------------------|--------------------------------------------------------------------|
| <b>Boiling Point</b>                      | > 212 °F                                                           |
| <b>Flash Point</b>                        | No flash point                                                     |
| <b>Evaporation rate</b>                   | Approximately 1 [ <i>Ref Std: WATER=1</i> ]                        |
| <b>Flammability (solid, gas)</b>          | Not Applicable                                                     |
| <b>Flammable Limits(LEL)</b>              | <i>No Data Available</i>                                           |
| <b>Flammable Limits(UEL)</b>              | <i>No Data Available</i>                                           |
| <b>Vapor Pressure</b>                     | <=27 psia [ <i>@ 20 °C</i> ]                                       |
| <b>Vapor Density</b>                      | <i>No Data Available</i>                                           |
| <b>Specific Gravity</b>                   | Approximately 0.98 [ <i>Ref Std: WATER=1</i> ]                     |
| <b>Solubility in Water</b>                | Complete                                                           |
| <b>Solubility- non-water</b>              | <i>No Data Available</i>                                           |
| <b>Decomposition temperature</b>          | <i>No Data Available</i>                                           |
| <b>Viscosity</b>                          | < 100 centipoise                                                   |
| <b>Volatile Organic Compounds</b>         | < 0.1 % weight [ <i>Test Method: calculated per CARB title 2</i> ] |
| <b>Percent volatile</b>                   | <i>Not Applicable</i>                                              |
| <b>VOC Less H2O &amp; Exempt Solvents</b> | < 15 g/l [ <i>Test Method: calculated per CARB title 2</i> ]       |

## 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

None known.

### 10.5. Incompatible materials

Strong oxidizing agents

### 10.6. Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| Carbon monoxide  | Not Specified    |
| Carbon dioxide   | Not Specified    |

## 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:

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

#### Eye Contact:

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

#### Ingestion:

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

#### 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-Vapor(4 hr) |         | No data available; calculated ATE > 50 mg/l     |
| Overall product                   | Ingestion              |         | No data available; calculated ATE > 5,000 mg/kg |
| ETHOXYLATED C9-11 ALCOHOLS        | Dermal                 | Rabbit  | LD50 > 2,000 mg/kg                              |
| ETHOXYLATED C9-11 ALCOHOLS        | Ingestion              | Rat     | LD50 1,378 mg/kg                                |
| Surfactant (NJTSRN 04499600-6632) | Dermal                 | Rat     | LD50 > 2,000 mg/kg                              |
| Surfactant (NJTSRN 04499600-6632) | Ingestion              | Rat     | LD50 > 2,000 mg/kg                              |
| 1-OCTYL-2-PYRROLIDINONE           | Dermal                 | Rabbit  | LD50 > 2,000 mg/kg                              |
| 1-OCTYL-2-PYRROLIDINONE           | Ingestion              | Rat     | LD50 2,050 mg/kg                                |

ATE = acute toxicity estimate

#### Skin Corrosion/Irritation

| Name                       | Species | Value    |
|----------------------------|---------|----------|
| ETHOXYLATED C9-11 ALCOHOLS | Rabbit  | Irritant |

#### Serious Eye Damage/Irritation

| Name                       | Species | Value     |
|----------------------------|---------|-----------|
| ETHOXYLATED C9-11 ALCOHOLS |         | Corrosive |

#### Skin Sensitization

| Name                       | Species    | Value           |
|----------------------------|------------|-----------------|
| ETHOXYLATED C9-11 ALCOHOLS | Guinea pig | Not sensitizing |

#### Respiratory Sensitization

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

#### Germ Cell Mutagenicity

| Name                       | Route    | Value         |
|----------------------------|----------|---------------|
| ETHOXYLATED C9-11 ALCOHOLS | In Vitro | Not mutagenic |

#### Carcinogenicity

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

#### Reproductive Toxicity

##### Reproductive and/or Developmental Effects

| Name                       | Route  | Value                                                                                          | Species | Test Result         | Exposure Duration |
|----------------------------|--------|------------------------------------------------------------------------------------------------|---------|---------------------|-------------------|
| ETHOXYLATED C9-11 ALCOHOLS | Dermal | Not toxic to female reproduction                                                               | Rat     | NOAEL 250 mg/kg/day | 2 generation      |
| ETHOXYLATED C9-11 ALCOHOLS | Dermal | Not toxic to development                                                                       | Rat     | NOAEL 250 mg/kg/day | 2 generation      |
| ETHOXYLATED C9-11 ALCOHOLS | Dermal | Some positive male reproductive data exist, but the data are not sufficient for classification | Rat     | NOAEL 100 mg/kg/day | 2 generation      |

**Target Organ(s)****Specific Target Organ Toxicity - single exposure**

| Name                       | Route      | Target Organ(s)        | Value                                                                        | Species       | Test Result         | Exposure Duration |
|----------------------------|------------|------------------------|------------------------------------------------------------------------------|---------------|---------------------|-------------------|
| ETHOXYLATED C9-11 ALCOHOLS | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Not available | NOAEL Not available | not available     |

**Specific Target Organ Toxicity - repeated exposure**

| Name                       | Route  | Target Organ(s)       | Value                                                                        | Species | Test Result         | Exposure Duration |
|----------------------------|--------|-----------------------|------------------------------------------------------------------------------|---------|---------------------|-------------------|
| ETHOXYLATED C9-11 ALCOHOLS | Dermal | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL 125 mg/kg/day | 13 weeks          |
| ETHOXYLATED C9-11 ALCOHOLS | Dermal | hematopoietic system  | All data are negative                                                        | Rat     | NOAEL 125 mg/kg/day | 13 weeks          |

**Aspiration Hazard**

| Name | Value |
|------|-------|
|------|-------|

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**

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

**Chemical fate information**

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

**SECTION 13: Disposal considerations****13.1. Disposal methods**

Dispose of contents/ container in accordance with the local/regional/national/international regulations. Prior to disposal, consult all applicable authorities and regulations to insure proper classification. Dispose of waste product in a permitted industrial waste facility. Empty and clean product containers may be disposed as non-hazardous waste. Consult your specific regulations and service providers to determine available options and requirements.

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****311/312 Hazard Categories:**

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

## 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 product are in compliance with the new substance notification requirements of CEPA.

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 material are in compliance with the provisions of the Korean Toxic Chemical Control Law. 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.

## 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:** 1 **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.

### HMIS Hazard Classification

**Health:** 1 **Flammability:** 0 **Physical Hazard:** 0 **Personal Protection:** X - See PPE section.

Hazardous Material Identification System (HMIS® III) 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® III ratings are to be used with a fully implemented HMIS® III program. HMIS® is a registered mark of the American Coatings Association (ACA).

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