SECTION 1. IDENTIFICATION

Product name: RESISTA DRY CARPET & RUG DRY CLNR 4#PAIL
Product code: 000000003000014640

Manufacturer or supplier’s details
Company name of supplier: Milliken & Company
Address: 920 Milliken Rd
Spartanburg SC 29303
Telephone: +1-864-503-1940 (M-F, 8-5 EST)
E-mail address: sds@milliken.com

Recommended use of the chemical and restrictions on use
Recommended use: carpet cleaner

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200
Not a hazardous substance or mixture.

GHS label elements
Not a hazardous substance or mixture.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture
Chemical nature: Mixture

Components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>limestone</td>
<td>1317-65-3</td>
<td>&gt;= 20 - &lt; 30</td>
</tr>
<tr>
<td>zinc chloride</td>
<td>7646-85-7</td>
<td>&lt; 0.1</td>
</tr>
</tbody>
</table>

Actual concentration is withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

General advice: Do not leave the victim unattended.

If inhaled: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

In case of eye contact: Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.

If swallowed: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

**Most important symptoms and effects, both acute and delayed:** None known.

### SECTION 5. FIREFIGHTING MEASURES

**Further information:** Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Avoid dust formation.

**Environmental precautions:** If the product contaminates rivers and lakes or drains inform respective authorities.

**Methods and materials for containment and cleaning up:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

**Advice on protection against fire and explosion:** Provide appropriate exhaust ventilation at places where dust is formed.

**Advice on safe handling:** For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

**Conditions for safe storage:** Electrical installations / working materials must comply with the technological safety standards.

**Materials to avoid:** No materials to be especially mentioned.

**Further information on storage stability:** Keep in a dry place.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Components with workplace control parameters**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>limestone</td>
<td>1317-65-3</td>
<td>TWA (total dust)</td>
<td>15 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (respirable)</td>
<td>5 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
</tbody>
</table>
TWA (Total dust) 15 mg/m³ OSHA P0
TWA (Total dust) 15 mg/m³ OSHA P0
TWA (respirable dust fraction) 5 mg/m³ OSHA P0
TWA (respirable dust fraction) 5 mg/m³ OSHA P0
TWA (Respirable) 5 mg/m³ NIOSH REL
TWA (total) 10 mg/m³ NIOSH REL

zinc chloride 7646-85-7 TWA (Fumes) 1 mg/m³ OSHA Z-1
TWA 1 mg/m³ ACGIH
STEL 2 mg/m³ ACGIH
TWA (Fumes) 1 mg/m³ NIOSH REL
ST (Fumes) 2 mg/m³ NIOSH REL
TWA 1 mg/m³ OSHA P0
STEL 2 mg/m³ OSHA P0
TWA (Fumes) 1 mg/m³ ACGIH
STEL (Fumes) 2 mg/m³ ACGIH
TWA (Fumes) 1 mg/m³ NIOSH REL
ST (Fumes) 2 mg/m³ NIOSH REL

Appropriate engineering controls: No data available
Personal protective equipment
Respiratory protection: No personal respiratory protective equipment normally required.
Eye protection: Safety glasses
Skin and body protection: Protective suit
Hygiene measures: General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: powder
Colour: white, off-white
Odour: slight
Odour Threshold: No data available
pH: 7 - 9
Concentration: 10 g/l
Melting point/freezing point: No data available
## Boiling point/boiling range
Not applicable

## Flash point
Not determined

## Evaporation rate
No data available

## Flammability (solid, gas)
No data available

## Flammability (liquids)
No data available

## Self-ignition
No data available

## Upper explosion limit / Upper flammability limit
No data available

## Lower explosion limit / Lower flammability limit
No data available

## Vapour pressure
No data available

## Relative vapour density
No data available

## Relative density
No data available

## Density
No data available

## Solubility(ies)
Water solubility: insoluble

## Solubility in other solvents
No data available

## Partition coefficient: n-octanol/water
No data available

## Auto-ignition temperature
No data available

## Decomposition temperature
No data available

## Viscosity, dynamic
No data available

## Viscosity, kinematic
No data available

## Molecular weight
No data available

### SECTION 10. STABILITY AND REACTIVITY

**Reactivity**: No decomposition if stored and applied as directed.

**Chemical stability**: No decomposition if stored and applied as directed.

**Possibility of hazardous reactions**: Stable under recommended storage conditions.

**Conditions to avoid**: No data available

**Hazardous decomposition products**: No data available

### SECTION 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**
Not classified based on available information.

**Product**

**Acute oral toxicity**: LD50 Oral (Rat): > 5,000 mg/kg

**Components**

zinc chloride:
SAFETY DATA SHEET
RESISTA DRY CARPET & RUG DRY CLNR
4#PAIL

Acute oral toxicity : LD50 (Rat): 350 mg/kg

Skin corrosion/irritation
Not classified based on available information.

Components:
zinc chloride:
Species : Rabbit
Exposure time : 120 h
Assessment : Causes severe burns.
Result : Severe skin irritation

Serious eye damage/eye irritation
Not classified based on available information.

Respiratory or skin sensitisation
Skin sensitisation
Not classified based on available information.
Respiratory sensitisation
Not classified based on available information.

Product:
Result : Does not cause skin sensitisation.

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA’s list of regulated carcinogens.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity
Not classified based on available information.

STOT - single exposure
Not classified based on available information.

STOT - repeated exposure
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.
Further information

**Product:**
Remarks : No data available

### SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Components:**

**zinc chloride:**
Toxicity to fish : LC50: 0.027 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 100 µg/l
Exposure time: 48 h
EC50: 49.99 µg/l
Exposure time: 48 h

Toxicity to algae : EC50 (Chlorella vulgaris (Fresh water algae)): 34 µg/l
Exposure time: 72 h
EC50: 26 µg/l
Exposure time: 96 h
EC50: 1.8 mg/l
Exposure time: 96 h

M-Factor (Acute aquatic toxicity) : 10
Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 31.5 µg/l
Exposure time: 30 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 1,000 µg/l
Exposure time: 21 d
NOEC (Daphnia magna (Water flea)): 80 µg/l
Exposure time: 21 d

M-Factor (Chronic aquatic toxicity) : 1

**Persistence and degradability**
No data available

**Bioaccumulative potential**
No data available

**Mobility in soil**
No data available
**SAFETY DATA SHEET**

**RESISTA DRY CARPET & RUG DRY CLNR**

4#PAIL

<table>
<thead>
<tr>
<th>Version</th>
<th>Revision Date</th>
<th>SDS Number</th>
<th>Date of last issue</th>
<th>Date of first issue</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.6</td>
<td>2019/08/27</td>
<td>00000003000014640</td>
<td>2019/07/24</td>
<td>2014/10/23</td>
</tr>
</tbody>
</table>

**Other adverse effects**

**Product:**

Ozone-Depletion Potential

- Regulation: 40 CFR Protection of Environment; Part 82
- Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
- Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

**Additional ecological information:**

No data available

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

- Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

**SECTION 14. TRANSPORT INFORMATION**

**International Regulations**

- **UNRTDG**: Not regulated as a dangerous good
- **IATA-DGR**: Not regulated as a dangerous good
- **IMDG-Code**: Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations**

- **49 CFR**: Not regulated as a dangerous good

**SECTION 15. REGULATORY INFORMATION**

**EPCRA - Emergency Planning and Community Right-to-Know Act**

**CERCLA Reportable Quantity**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>methanol</td>
<td>67-56-1</td>
<td>100</td>
<td>100 (F003)</td>
</tr>
<tr>
<td>zinc chloride</td>
<td>7646-85-7</td>
<td>1000</td>
<td>*</td>
</tr>
</tbody>
</table>

*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.
SARA 302 Extremely Hazardous Substances Threshold Planning Quantity
This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards
: No SARA Hazards

SARA 313
: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act
This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMII Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307
The following Hazardous Substances are listed under the U.S. Clean Water Act, Section 311, Table 116.4A:
  zinc chloride  7646-85-7  >= 0 - < 0.1 %
The following Hazardous Chemicals are listed under the U.S. Clean Water Act, Section 311, Table 117.3:
  zinc chloride  7646-85-7  >= 0 - < 0.1 %

Maine Chemicals of High Concern
This product does not contain any chemicals that are listed as Maine Chemicals of High Concern.

California Prop. 65
WARNING: This product can expose you to chemicals including methanol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Additional information is available by request. ( regulatory@milliken.com )

SECTION 16. OTHER INFORMATION

Further information

Full text of other abbreviations
ACGIH  : USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL : USA. NIOSH Recommended Exposure Limits
OSHA P0  : USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
### OSHA Z-1
- **USA. Occupational Exposure Limits (OSHA) - Table Z-1**
- **Limits for Air Contaminants**
- **ACGIH / TWA**: 8-hour, time-weighted average
- **ACGIH / STEL**: Short-term exposure limit
- **NIOSH REL / TWA**: Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
- **NIOSH REL / ST**: STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
- **OSHA P0 / TWA**: 8-hour time weighted average
- **OSHA P0 / STEL**: Short-term exposure limit
- **OSHA Z-1 / TWA**: 8-hour time weighted average

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**Revision Date**: 2019/08/27

Please Note: As each customer’s use of our product may be different, information we provide, including without limitation, any regulatory information, recommendations, test results, samples,
care/labeling/processing instructions or marketing advice, is provided in good faith but without 

warranty and without accepting any responsibility/liability. Each customer must test and be responsible 

for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to 

our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are 

rejected) unless explicitly agreed otherwise in a signed writing.

US / EN