SECTION 1. IDENTIFICATION

Product name : RESISTA INSTANT SPOT REMOVER 16oz
Product code : 000000003000096139

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
Emergency telephone number : In case of emergency call CHEMTREC US: 1-800-424-9300,
CHEMTREC WORLD: 1-703-527-3887.

Recommended use of the chemical and restrictions on use
Recommended use : Cleansing agents, alkaline.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200
Gases under pressure : Liquefied gas
Eye irritation : Category 2A

GHS label elements
Hazard pictograms :

Signal word : Warning
Hazard statements : H280 Contains gas under pressure; may explode if heated.
H319 Causes serious eye irritation.

Precautionary statements :
Prevention:
P264 Wash skin thoroughly after handling.
P280 Wear eye protection/ face protection.
Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
Storage:
P410 + P403 Protect from sunlight. Store in a well-ventilated place.
SAFETY DATA SHEET

RESISTA INSTANT SPOT REMOVER 16oz

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>2-butoxyethanol</td>
<td>111-76-2</td>
<td>&gt;= 5 - &lt; 10</td>
</tr>
<tr>
<td>propane</td>
<td>74-98-6</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>butane</td>
<td>106-97-8</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>propan-2-ol</td>
<td>67-63-0</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

General advice:
Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
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:
Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
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

Unsuitable extinguishing media:
High volume water jet

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:
Use personal protective equipment.
Avoid breathing dust.

Environmental precautions:
Prevent further leakage or spillage if safe to do so.
SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Advice on safe handling: Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage: BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability: No decomposition if stored and applied as directed.

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>2-butoxyethanol</td>
<td>111-76-2</td>
<td>TWA</td>
<td>20 ppm</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>5 ppm 24 mg/m3</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>50 ppm 240 mg/m3</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>25 ppm 120 mg/m3</td>
<td>OSHA P0</td>
</tr>
<tr>
<td>propane</td>
<td>74-98-6</td>
<td>TWA</td>
<td>1,000 ppm 1,800 mg/m3</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1,000 ppm 1,800 mg/m3</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1,000 ppm 1,800 mg/m3</td>
<td>OSHA P0</td>
</tr>
<tr>
<td>butane</td>
<td>106-97-8</td>
<td>TWA</td>
<td>800 ppm 1,900 mg/m3</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>800 ppm 1,900 mg/m3</td>
<td>OSHA P0</td>
</tr>
<tr>
<td>propan-2-ol</td>
<td>67-63-0</td>
<td>TWA</td>
<td>200 ppm</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>400 ppm</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>400 ppm 980 mg/m3</td>
<td>NIOSH REL</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

RESISTA INSTANT SPOT REMOVER 16oz

Version: 2.1
Revision Date: 2018/11/13
SDS Number: 000000003000096139
Date of last issue: 2018/02/01
Date of first issue: 2014/10/23

<table>
<thead>
<tr>
<th>ST</th>
<th>500 ppm 1,225 mg/m³</th>
<th>NIOSH REL</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWA</td>
<td>400 ppm 980 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td>TWA</td>
<td>400 ppm 980 mg/m³</td>
<td>OSHA P0</td>
</tr>
<tr>
<td>STEL</td>
<td>500 ppm 1,225 mg/m³</td>
<td>OSHA P0</td>
</tr>
</tbody>
</table>

Biological occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Control parameters</th>
<th>Biological specimen</th>
<th>Sampling time</th>
<th>Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-butoxyethanol</td>
<td>111-76-2</td>
<td>Butoxyacetic acid (BAA)</td>
<td>Urine</td>
<td>End of shift (As soon as possible after exposure ceases)</td>
<td>200 mg/g Creatinine</td>
<td>ACGLH BEI</td>
</tr>
<tr>
<td>propan-2-ol</td>
<td>67-63-0</td>
<td>Acetone</td>
<td>Urine</td>
<td>End of shift at end of workweek</td>
<td>40 mg/l</td>
<td>ACGLH BEI</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Personal protective equipment

Hand protection

Remarks: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection: Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection: Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures: When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: aerosol
Liquefied gas

Colour: colourless

Odour: mild

Odour Threshold: No data available

pH: 8.5 - 9.5
### Melting point/freezing point
No data available

### Boiling point/boiling range
No data available

### Flash point
does not flash

### Evaporation rate
No data available

### Flammability (solid, gas)
Not classified as a flammability hazard

### Flammability (liquids)
Not classified as supporting combustion according to the transport regulations.

### 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
65 - 75 hPa

### Relative vapour density
No data available

### Relative density
No data available

### Density
0.96 - 0.98 g/cm³

### Solubility(ies)
- Water solubility: soluble
- 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**: No decomposition if stored and applied as directed.

**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): > 2,000 mg/kg
  - Assessment: The substance or mixture has no acute oral toxicity
  - Remarks: No adverse effect has been observed in acute
### Acute inhalation toxicity
- **Exposure time:** 4 h
- **Test atmosphere:** gas
- **Method:** Calculation method

Acute toxicity estimate: > 30000 ppm

### Acute dermal toxicity
- **Exposure time:** 8 h
- **Method:** Calculation method

Acute toxicity estimate: > 5,000 mg/kg

### Components:

**propan-2-ol:**

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Value</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute oral toxicity</td>
<td>LD50 (Rat)</td>
<td>5,045 mg/kg</td>
</tr>
<tr>
<td>Acute inhalation toxicity</td>
<td>LC50 (Rat)</td>
<td>16000 ppm</td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td>LD50 (Rabbit)</td>
<td>12,800 mg/kg</td>
</tr>
</tbody>
</table>

### Skin corrosion/irritation
Not classified based on available information.

#### Product:

<table>
<thead>
<tr>
<th>Species</th>
<th>Rabbit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessment</td>
<td>No skin irritation</td>
</tr>
<tr>
<td>Method</td>
<td>OECD Test Guideline 404</td>
</tr>
<tr>
<td>Result</td>
<td>No skin irritation</td>
</tr>
<tr>
<td>Remarks</td>
<td>May cause skin irritation in susceptible persons.</td>
</tr>
</tbody>
</table>

#### Components:

**propan-2-ol:**

<table>
<thead>
<tr>
<th>Species</th>
<th>Rabbit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessment</td>
<td>Irritating to skin.</td>
</tr>
<tr>
<td>Result</td>
<td>Mild skin irritation</td>
</tr>
</tbody>
</table>

### Serious eye damage/eye irritation
Causes eye irritation.

#### Product:

| Remarks       | May cause irreversible eye damage. |

#### Components:

**propan-2-ol:**

<table>
<thead>
<tr>
<th>Species</th>
<th>Rabbit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Result</td>
<td>Irritating to eyes.</td>
</tr>
<tr>
<td>Exposure time</td>
<td>24 h</td>
</tr>
<tr>
<td>Assessment</td>
<td>Irritating to eyes.</td>
</tr>
</tbody>
</table>
Respiratory or skin sensitisation

Skin sensitisation
Not classified based on available information.

Respiratory sensitisation
Not classified based on available information.

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
Not classified based on available information.

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:

propan-2-ol:
Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 5,102 mg/l
Exposure time: 24 h

EC50 (Daphnia magna (Water flea)): 6,851 mg/l
Exposure time: 24 h
Test Type: Immobilization
Toxicity to algae: EC50 (Desmodesmus subspicatus (green algae)): > 2,000 mg/l
Exposure time: 72 h

Persistence and degradability
No data available

Bioaccumulative potential

Components:

2-butoxyethanol:
Partition coefficient: n-octanol/water
: log Pow: 0.83

propane:
Partition coefficient: n-octanol/water
: log Pow: 2.36

butane:
Partition coefficient: n-octanol/water
: log Pow: 2.89

propan-2-ol:
Partition coefficient: n-octanol/water
: log Pow: 0.05

Mobility in soil
No data available

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
Waste from residues
: Do not dispose of waste into sewer.
: Do not contaminate ponds, waterways or ditches with chemical or used container.
: Send to a licensed waste management company.

Contaminated packaging
: Empty remaining contents.
: Dispose of as unused product.
: Do not re-use empty containers.
: Do not burn, or use a cutting torch on, the empty drum.
SECTION 14. TRANSPORT INFORMATION

**International Regulations**

**IATA-DGR**
- UN/ID No.: UN 1950
- Proper shipping name: Aerosols, non-flammable
- Class: 2.2
- Packing group: Not assigned by regulation
- Labels: Non-flammable, non-toxic gas
- Packing instruction (cargo aircraft): 203
- Packing instruction (passenger aircraft): 203

**IMDG-Code**
- UN number: UN 1950
- Proper shipping name: AEROSOLS
- Class: 2.2
- Packing group: Not assigned by regulation
- Labels: 2.2
- EmS Code: F-D, S-U
- Marine pollutant: no

**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**
- UN/ID/NA number: UN 1950
- Proper shipping name: Aerosols, non-flammable
- Class: 2.2
- Packing group: Not assigned by regulation
- Labels: NON-FLAMMABLE GAS
- ERG Code: 126
- Marine pollutant: no

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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>ammonia, aqueous solution</td>
<td>1336-21-6</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:
- Gases under pressure
- Serious eye damage or eye irritation

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).
The following chemical(s) are listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):
- propane 74-98-6  >= 1 - < 5 %
- butane 106-97-8  >= 1 - < 5 %
The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC’s (40 CFR 60.489):
- 2-butoxyethanol 111-76-2  >= 5 - < 10 %
- propan-2-ol 67-63-0  >= 1 - < 5 %

Clean Water Act
The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:
- ammonia, aqueous solution 1336-21-6  >= 0 - < 0.1 %
The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:
- ammonia, aqueous solution 1336-21-6  >= 0 - < 0.1 %
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

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

California Prop. 65
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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)
- ACGIH BEI: ACGIH - Biological Exposure Indices (BEI)
- NIOSH REL: USA. NIOSH Recommended Exposure Limits
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