Conforms to US Standard ANSI Z400.1/Z129.1-2010

SAFETY DATA SHEET

Lysol Dual Action Wipes

1. Product and company identification

Product name: Lysol Dual Action Wipes
Supplier: Reckitt Benckiser (Canada) Inc.
1680 Tech Avenue, Unit #2
Mississauga, Ontario L4W 5S9
CANADA
Telephone: +1 905 283 7000

Material uses: Disinfectant. Wipes
Product use: Consumer
SDS #: D0289451 v1.0
Formulation #: Citrus (0356376 v1.0) 1825-054C
Crisp Linen (0356378 v1.0) 1825-106B
DIN #: 02360063
UPC Code / Sizes:
19200 81143 9 (35 wet wipes 7" x 8" sheets, Citrus)
19200 82050 9 (35 wet wipes 7" x 8" sheets, Crisp Linen)
19200 81700 4 (75 wet wipes 7" x 8" sheets, Citrus)
19200 83678 4 (24 wet wipes 8.4" x 10" sheets, Citrus)
19200 83679 1 (50 wet wipes 8.4" x 10" sheets, Citrus)

Manufacturer: Reckitt Benckiser LLC.
Morris Corporate Center IV
399 Interpace Parkway (P.O. Box 225)
Parsippany, New Jersey 07054-0225
+1 973 404 2600

Validation date: 17/12/2014.
Emergency telephone number: 1-800-338-6167
Transport Emergency phone: 1-800-424-9300 (U.S. & Canada) CHEMTREC
Outside U.S. and Canada (North America), call Chemtrec:703-527-3887

2. Hazards identification

Emergency overview
Physical state: Solid. [Presaturated Wipes]
Odor: Characteristic.
Signal word: CAUTION
Hazard statements: May cause eye irritation.

Precautionary measures: Keep out of reach of children.
Precautionary measures: Avoid contact with eyes.
Wash hands after use.

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Code #: FF0356376_1_FF0356378_1
SDS #: D0289451 v1.0
Date of issue: 17/12/2014.
Conforms to US Standard ANSI Z400.1/Z129.1-2010

2. Hazards identification

Potential chronic health effects

| Chronic effects | Contains material that may cause target organ damage, based on animal data. |
| Carcinogenicity | Contains material which can cause cancer. Risk of cancer depends on duration and level of exposure. |
| Target organs | Contains material which may cause damage to the following organs: blood, the reproductive system, liver, upper respiratory tract, skin, eyes, central nervous system (CNS). |

Medical conditions aggravated by over-exposure

Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (Section 11)

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>Benzyl-dimethyl-tetradecylazanium chloride</td>
<td>68424-85-1</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

First aid

Protection of first-aiders

Use personal protective equipment as required.

Notes to physician

Treat symptomatically.

5. Fire-fighting measures

Flammability Remark

Not available.

Explosibility Remark

Not available.

Flammability of the product

No specific fire or explosion hazard.

Extinguishing media

Suitable

Use an extinguishing agent suitable for the surrounding fire.

Not suitable

None known.

Special hazards arising from the substance or mixture

Special exposure hazards

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Hazardous thermal decomposition products

Decomposition products may include the following materials:

- carbon dioxide
- carbon monoxide

Advice for firefighters

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Special remarks on explosion hazards

Code # : FF0356376_1_FF0356378_1  SDS # : D0289451 v1.0  Date of issue : 17/12/2014.
5. Fire-fighting measures

Sensitivity to mechanical impact                      Not available.
Sensitivity to static discharge                     Not available.

6. Accidental release measures

Personal precautions : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up

Small spill  : Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and storage

Handling : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>List name</th>
<th>TWA (8 hours)</th>
<th>STEL (15 mins)</th>
<th>Ceiling (ACGIH TLV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td></td>
<td>ppm</td>
<td>mg/m³</td>
<td>Other</td>
</tr>
<tr>
<td>US ACGIH 6/2013</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>AB 4/2009</td>
<td>1000</td>
<td>1880</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>BC 7/2013</td>
<td>-</td>
<td>-</td>
<td>1000</td>
<td>-</td>
</tr>
<tr>
<td>ON 1/2013</td>
<td>-</td>
<td>-</td>
<td>1000</td>
<td>-</td>
</tr>
<tr>
<td>QC 12/2012</td>
<td>1000</td>
<td>1880</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Code # : FF0356376_1_FF0356378_1  
SDS # : D0289451 v1.0  
Date of issue : 17/12/2014.
8. Exposure controls/personal protection

Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Manufacturer: Exposure controls

Engineering measures: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Respiratory: Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Other protection: Not available.

9. Physical and chemical properties

Physical state: Solid. [Presaturated Wipes]
Flash point: Closed cup: >93.3°C (>199.9°F) (liquid preparation)
Burning time: Not available.
Burning rate: Not available.
Auto-ignition temperature: Not available.
Flammable limits: Not available.
Color: Not available.
Odor: Characteristic.
Taste: Not available.
9. Physical and chemical properties

Molecular weight : Not applicable.
Molecular formula : Not applicable.
\( \text{pH} \) : 10.5 [Conc. (% w/w): 100%] (liquid preparation)
Boiling/condensation point : Not available.
Melting/freezing point : Not available.
Critical temperature : Not available.
Relative density (g/ml) : 0.97 to 0.996 g/cm³ [20 to 25°C] (liquid preparation)
Bulk density : Not available.
Vapor pressure : Not available.
Vapor density : Not available.
Volatility : Not available.
Odor threshold : Not available.
Evaporation rate : Not available.
SADT : Not available.
Viscosity : Not available.
Ionicity (in water) : Not available.
Dispersibility properties : Not available.
Solubility : Easily soluble in the following materials: cold water and hot water. (liquid preparation)
Physical/chemical properties comments : Not applicable.

10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.
Chemical stability : The product is stable.
Conditions to avoid : No specific data.
Keep away from extreme heat. Protect from moisture. Keep from freezing.
Incompatible materials : No specific data.
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

11. Toxicological information

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td>LC50 Inhalation Vapor</td>
<td>Rat</td>
<td>124700 mg/m³</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>7 g/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>344 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Quaternary ammonium</td>
<td>LC50 Inhalation Vapor</td>
<td>Rat</td>
<td>&gt;2.04 mg/l</td>
<td>14 days</td>
</tr>
<tr>
<td>compounds, benzyl-C12-16-alkyldimethyl, chlorides</td>
<td>LD50 Dermal</td>
<td>Rat</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>*Lysol® Dual Action Wipes</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

Conclusion/Summary : Not classified Harmful *Information is based on toxicity test result of the concentrate of a similar product.

Code # : FF0356376_1_FF0356376_1  SDS # : D0289451 v1.0  Date of issue : 17/12/2014.  5/10
## 11. Toxicological information

### Chronic toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not available.</td>
<td>:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Conclusion/Summary** : Not available.

### Irritation/Corrosion

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td>Eyes - Moderate irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>0.066666667 minutes 100 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Eyes - Moderate irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>100 microliters 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Eyes - Severe irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>400 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 20 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Moderate irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>25 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides</td>
<td>Eyes - Cornea opacity</td>
<td>Rabbit</td>
<td>&gt;1</td>
<td>24 hours</td>
<td>7 days</td>
</tr>
<tr>
<td>*Lysol® Dual Action Wipes</td>
<td>Skin - Slight irritant</td>
<td>Rabbit</td>
<td>1.2</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Conclusion/Summary** : Not available.

### Skin

- Slightly irritating to the skin.  *Information is based on toxicity test result of the concentrate of a similar product.

### Eyes

- Moderately irritating to eyes.  *Information is based on toxicity test result of the concentrate of a similar product.

### Respiratory

- Not available.

### Sensitizer

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Route of exposure</th>
<th>Species</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Lysol® Dual Action Wipes</td>
<td>skin</td>
<td>Guinea pig</td>
<td>Not sensitizing</td>
</tr>
</tbody>
</table>

**Conclusion/Summary** : Not available.

### Skin

- Non-sensitizer to skin.  *Information is based on toxicity test result of the concentrate of a similar product.

### Respiratory

- Not available.

### Carcinogenicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not available.</td>
<td>:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Conclusion/Summary** : Not available.

### Classification

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>EPA</th>
<th>NIOSH</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td>A3</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### Code # : FF0356376_1_FF0356378_1 SDS # : D0289451 v1.0 Date of issue : 17/12/2014.
### 11. Toxicological information

#### Mutagenicity
<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Experiment</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not available.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Conclusion/Summary**: Not available.

#### Teratogenicity
<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not available.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Conclusion/Summary**: Not available.

#### Reproductive toxicity
<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Maternal toxicity</th>
<th>Fertility</th>
<th>Development toxin</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not available.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Conclusion/Summary**: Not available.

### 12. Ecological information

#### Ecotoxicity

**Ecotoxicity**: No known significant effects or critical hazards.

##### Aquatic ecotoxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td></td>
<td>Algae - Ulva pertusa</td>
<td>96 hours</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Crustaceans - Artemia franciscana - Larvae</td>
<td>4 days</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fish - Oncorhynchus mykiss</td>
<td>12 weeks</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Algae - Ulva pertusa</td>
<td>96 hours</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fish - Gambusia holbrooki - Larvae</td>
<td>96 hours</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Daphnia</td>
<td>96 hours</td>
<td>72 hours</td>
</tr>
</tbody>
</table>

**Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute EC50 17.921 mg/l Marine water</td>
<td>Algae</td>
<td>96 hours</td>
<td>48 hours</td>
<td></td>
</tr>
<tr>
<td>Acute EC50 2000 µg/l Fresh water</td>
<td>Daphnia</td>
<td>48 hours</td>
<td>48 hours</td>
<td></td>
</tr>
<tr>
<td>Acute LC50 25500 µg/l Marine water</td>
<td>Crustaceans - Artemia franciscana - Larvae</td>
<td>4 days</td>
<td>96 hours</td>
<td></td>
</tr>
<tr>
<td>Acute LC50 42000 µg/l Fresh water</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>12 weeks</td>
<td>72 hours</td>
<td></td>
</tr>
<tr>
<td>Chronic NOEC 4.995 mg/l Marine water</td>
<td>Algae - Ulva pertusa</td>
<td>96 hours</td>
<td>72 hours</td>
<td></td>
</tr>
<tr>
<td>Chronic NOEC 0.375 µL/L Fresh water</td>
<td>Fish - Gambusia holbrooki - Larvae</td>
<td>96 hours</td>
<td>72 hours</td>
<td></td>
</tr>
<tr>
<td>Acute EC50 0.016 mg/l</td>
<td>Daphnia</td>
<td>48 hours</td>
<td>48 hours</td>
<td></td>
</tr>
<tr>
<td>Acute LC50 64 ppb Fresh water</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>96 hours</td>
<td>72 hours</td>
<td></td>
</tr>
<tr>
<td>Chronic EC10 0.009 mg/l</td>
<td>Algae</td>
<td>96 hours</td>
<td>72 hours</td>
<td></td>
</tr>
</tbody>
</table>

**Conclusion/Summary**: Not available.

#### Persistence/degradability

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Result</th>
<th>Dose</th>
<th>Inoculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not available.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Conclusion/Summary**: Not available.

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

**Bioconcentration factor**: Not available.

**Mobility**: Not available.

#### Toxicity of the products of biodegradation

**Other adverse effects**: No known significant effects or critical hazards.
13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

Not a DOT controlled material (United States). Not a TDG-controlled material. This preparation is not classified as dangerous according to international transport regulations (ADR/RID, IMDG or ICAO/IATA).

For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.

15. Regulatory information

United States

U.S. Federal regulations: TSCA 4(a) proposed test rules: Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
TSCA 8(a) PAIR: 2-methylpropan-2-ol; octanal; decanal; 2-methylundecanal; α-hexylcinnamaldehyde; phenylacetaldehyde
SARA 302/304: No products were found.
SARA 311/312 Hazards identification: Delayed (chronic) health hazard

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Not listed
Clean Air Act Section 602 Class I Substances: Not listed
Clean Air Act Section 602 Class II Substances: Not listed
DEA List I Chemicals (Precursor Chemicals): Not listed
DEA List II Chemicals (Essential Chemicals): Not listed
SARA 311/312 HCS 1994 Classification: Delayed (chronic) health hazard

Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>%</th>
<th>Fire hazard</th>
<th>Sudden release of pressure</th>
<th>Reactive</th>
<th>Immediate (acute) health hazard</th>
<th>Delayed (chronic) health hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td>1 - 2.5</td>
<td>Yes.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
<td>Yes.</td>
</tr>
</tbody>
</table>

Code #: FF0356376_1_FF0356378_1 SDS #: D0289451 v1.0 Date of issue: 17/12/2014.
15. Regulatory information

State regulations
- Massachusetts: The following components are listed: ETHYL ALCOHOL
- New York: None of the components are listed.
- New Jersey: The following components are listed: ETHYL ALCOHOL; ALCOHOL
- Pennsylvania: The following components are listed: DENATURED ALCOHOL

Canada
- WHMIS (Canada): Not controlled under WHMIS (Canada).

Canadian lists
- Canadian NPRI: The following components are listed: Ethanol
- CEPA Toxic substances: None of the components are listed.
- Canada inventory: Not determined.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16. Other information

Hazardous Material Information System (U.S.A.)

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Date of issue: 17/12/2014.
Date of previous issue: No previous validation
Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.