1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name
Kill Odor Citrus

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use
Professional Carpet Cleaning

1.3 Details of the supplier of the safety data sheet

Supplier
Legend Brands Europe
Chemspec
22 Plover Close Interchange Park
Newport Pagnell MK16 9PS, UK
+44 (0) 1908 611211

Manufacturer
Legend Brands
Chemspec
15180 Josh Wilson Road
Burlington, WA 98233
800-932-3030

For further information, please contact: msds@chemspecworld.com

1.4 Emergency telephone number

Emergency telephone number
Chemtrec: +1 703-527-3887 ex-USA
Chemtrec: 1-800-424-9300 USA

Europe
112
Austria
+43 1 406 43 43
Belgium
Poison center (BE): +32 70 245 245
Denmark
Poison Control Hotline (DK): +45 82 12 12 12
Finland
Poison Information Centre (FI): +358 9 471 977
France
ORFILA (FR): + 01 45 42 59 59
Germany
Poison Center Berlin (DE): +49 030 30686 790
Poison Center Nord: +49 551 19240 (24h available English / German)
Ireland
National Poisons Information Centre (IE): +353 1 8379964
Iceland
+354 543 2222
Italy
Poison Center, Milan (IT): +39 02 6610 1029
Luxembourg
112
Netherlands
National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)
Norway
Poisons Information (NO): + 47 22 591300
Portugal
Poison Information Center (PT): +351 21 330 3284
Spain
Poison Information Service (ES): +34 91 562 04 20
Sweden
Poisons Information Center (SV): +46 8 33 12 31
Switzerland
Poison Center: Tel 145; +41 44 251 51 51
United Kingdom
111

2. Hazards identification
2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

Classification according to EU Directives 67/548/EEC or 1999/45/EC
For the full text of the R-phrases mentioned in this Section, see Section 16

Symbol(s)
Not dangerous

R-phrase(s)
This mixture is not classified as dangerous according to Directive 1999/45/EC

2.2 Label elements
EUH210 - Safety data sheet available on request

2.3 Other Hazards
No information available

3. Composition/Information on Ingredients

3.1 Substances
This product is a mixture. Health hazard information is based on its components.

3.2 Mixtures
The product contains no substances known to be hazardous to health in concentrations which need to be taken into account

For the full text of the R-phrases mentioned in this Section, see Section 16
For the full text of the H-Statements mentioned in this Section, see Section 16

4. First Aid Measures

4.1 Description of first-aid measures
General advice
Show this material safety data sheet to the doctor in attendance.

Inhalation
Move to fresh air.

Skin contact
Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.

Eye contact
Remove contact lenses. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion
Gently wipe or rinse the inside of the mouth with water. Rinse mouth with water and afterwards drink plenty of water or milk.

4.2 Most important symptoms and effects, both acute and delayed
Symptoms
No information available

4.3 Indication of any immediate medical attention and special treatment needed
5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media
Water spray, Foam, Dry powder.

Extinguishing media which shall not be used for safety reasons
No information available.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions
Use personal protective equipment.

Advice for emergency responders
For personal protection see section 8.

6.2 Environmental precautions

Dike to collect large liquid spills. See Section 12 for additional Ecological information.

6.3 Methods and materials for containment and cleaning up

Methods for Containment
Prevent further leakage or spillage if safe to do so

Methods for cleaning up
Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13)

6.4 Reference to other sections

See section 8 for more information.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling
Wear personal protective equipment.

Hygiene measures
When using, do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions
Use only in area provided with appropriate exhaust ventilation. Keep tightly closed in a dry and cool place.

7.3 Specific end uses
Kill Odor Citrus

Specific use(s)
No information available

Exposure scenario
No information available.

8. Exposure controls/personal protection

8.1 Control parameters

Exposure Limit Values
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

TWA: Time weighted average
STEL: Short term exposure limit
LLV: Level Limit Value
STV: Short Term Value

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2 Exposure controls

Engineering Measures
Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face Protection
Safety glasses with side-shields. Safety goggles.

Hand Protection
Rubber/latex/neoprene or other suitable chemical resistant gloves.

Skin and Body protection
Wear protective gloves/ protective clothing.

Respiratory protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures
When using, do not eat, drink or smoke.

Environmental Exposure Controls
No information available.
## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>3.3</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Citrus</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting/freezing point</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>0.998 g/cc</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No information available</td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>No information available</td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor pressure</td>
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</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>No information available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>No information available</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
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</tr>
<tr>
<td>Viscosity, kinematic</td>
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</tr>
<tr>
<td>Viscosity, dynamic</td>
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</tr>
<tr>
<td>Explosive properties</td>
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</tr>
<tr>
<td>Oxidizing Properties</td>
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</tr>
</tbody>
</table>

### 9.2 Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volatile organic compounds (VOC)</td>
<td>&lt;2.5% including fragrance</td>
</tr>
</tbody>
</table>
11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product Information
The product itself has not been tested.

| Inhilation | There are no data available for this product. |
| Eye contact | There are no data available for this product. |
| Skin contact | There are no data available for this product. |
| Ingestion | There are no data available for this product. |

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 12,192.00 mg/kg

Unknown Acute Toxicity
6.78% of the mixture consists of ingredient(s) of unknown toxicity
2.6788 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
6.7112 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
6.78 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
6.78 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
6.78 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Skin corrosion/irritation No information available.
Eye damage/irritation No information available.
Respiratory or skin sensitization No information available.
Germ Cell Mutagenicity No information available.
Carcinogenicity No information available.
Reproductive toxicity  
No information available.

Specific target organ systemic toxicity (single exposure)  
No information available.

Specific target organ systemic toxicity (repeated exposure)  
No information available.

Aspiration hazard  
No information available.

12. Ecological information

12.1 Toxicity

6.78% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Ecotoxicity effects  
No information available

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

Mobility in soil  
No information available.

Mobility  
No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

13. Disposal Considerations

13.1 Waste treatment methods

Waste from residues / unused products  
If recycling is not practicable, dispose of in compliance with local regulations.

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

Other information  
According to the European Waste Catalog, Waste Codes are not product specific, but application specific.
14. Transport Information

ADR
14.1 UN Number Not regulated
14.2 Proper shipping name Not regulated
14.3 Hazard class Not regulated
14.4 Packing Group Not regulated
14.5 Environmental hazard Not applicable
14.6 Special Provisions None

IMDG
14.1 UN Number Not regulated
14.2 Proper shipping name Not regulated
14.3 Hazard class Not regulated
14.4 Packing Group Not regulated
14.5 Marine pollutant Not applicable
14.6 Special Provisions None
14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code

IATA
14.1 UN Number Not regulated
14.2 Proper shipping name Not regulated
14.3 Hazard class Not regulated
14.4 Packing Group Not regulated
14.5 Environmental hazard Not applicable
14.6 Special Provisions None

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information
Germany

European Union
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:
This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants
Not applicable

International Inventories

TSCA Complies
EINECS/ELINCS Complies
DSL Complies
PICCS Complies
ENCS Complies
IECSC Complies
AICS Complies
15.2 Chemical Safety Assessment

No information available

16. Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of R-phrases referred to under sections 2 and 3
No information available

Prepared By
Chemspec Regulatory Affairs/Product Safety

Revision Date
21-Apr-2015

Revision Note
Not Applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008/EC.

Disclaimer
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet