SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name: Hillyard Quick & Clean Sugar & Spice Air Freshener
Material number: A00238BP

Manufacturer or supplier's details
Company: Hillyard Industries
Address: 302 North 4th Street
Joseph, MO 64502
Telephone: 816-233-1321 ext 8285

Emergency telephone numbers
For SDS Information: 816-233-1321 ext 8285
For a Medical Emergency:
For a Transportation Emergency: CHEMTREC 800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview
<table>
<thead>
<tr>
<th>Appearance</th>
<th>Aerosol containing a liquefied gas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>odourized</td>
</tr>
</tbody>
</table>

GHS Classification
- Flammable aerosols: Category 1
- Gases under pressure: Liquefied gas
- Eye irritation: Category 2A
- Skin sensitisation: Category 1
- Specific target organ toxicity - single exposure: Category 3 (Central nervous system)

GHS Label element
- Hazard pictograms:
- Signal word: Danger
- Hazard statements:
  - H222 Extremely flammable aerosol.
  - H280 Contains gas under pressure; may explode if heated.
  - H317 May cause an allergic skin reaction.
  - H319 Causes serious eye irritation.
  - H336 May cause drowsiness or dizziness.
- Precautionary statements:
  - Prevention: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear eye protection/ face protection.
P280 Wear protective gloves.

Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P363 Wash contaminated clothing before reuse.

Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Disposal:
P501 Dispose of contents/container in accordance with local regulation.

Potential Health Effects

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.

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

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

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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components
SAFETY DATA SHEET
HILLYARD QUICK & CLEAN SUGAR & SPICE AIR FRESHENER
HIL0104354

Version 1.0  Revision Date 04/27/2015  Print Date 05/29/2015

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>&gt;= 70 - &lt; 90</td>
</tr>
<tr>
<td>propane</td>
<td>74-98-6</td>
<td>&gt;= 10 - &lt; 20</td>
</tr>
<tr>
<td>butane</td>
<td>106-97-8</td>
<td>&gt;= 5 - &lt; 10</td>
</tr>
<tr>
<td>coumarin</td>
<td>91-64-5</td>
<td>&gt;= 0.1 - &lt; 1</td>
</tr>
<tr>
<td>2-phenylethanol</td>
<td>60-12-8</td>
<td>&gt;= 0.1 - &lt; 1</td>
</tr>
<tr>
<td>benzyl salicylate</td>
<td>118-58-1</td>
<td>&gt;= 0.1 - &lt; 1</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

General advice :
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
Move out of dangerous area.

If inhaled :
Consult a physician after significant exposure.
If unconscious place in recovery position and seek medical advice.

In case of skin contact :
If skin irritation persists, call a physician.
Wash off immediately with plenty of water for at least 15 minutes.
If on clothes, remove clothes.

In case of eye contact :
Protect unharmed eye.
If eye irritation persists, consult a specialist.
If in eyes, rinse with water for 15 minutes.
Keep eye wide open while rinsing.
Remove contact lenses.

If swallowed :
DO NOT induce vomiting unless directed to do so by a physician or poison control center.
Keep respiratory tract clear.
Obtain medical attention.
Never give anything by mouth to an unconscious person.
Take victim immediately to hospital.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media :
Carbon dioxide (CO2)
Water spray jet
Dry chemical
Alcohol-resistant foam

Unsuitable extinguishing media :
High volume water jet

Specific hazards during firefighting :
Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products :
Carbon dioxide (CO2)
Carbon monoxide
Smoke
SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**
- Use personal protective equipment.
- Ensure adequate ventilation.
- Remove all sources of ignition.
- Evacuate personnel to safe areas.
- Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**Environmental precautions**
- Prevent product from entering drains.
- Prevent further leakage or spillage if safe to do so.
- If the product contaminates rivers and lakes or drains inform respective authorities.

**Methods and materials for containment and cleaning up**
- Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
- Sweep up and shovel into suitable containers for disposal.

SECTION 7. HANDLING AND STORAGE

**Advice on safe handling**
- Always replace cap after use.
- Do not breathe vapours or spray mist.
- Avoid contact with skin and eyes.
- Take precautionary measures against static discharges.
- Use only with adequate ventilation.
- Provide sufficient air exchange and/or exhaust in work rooms.
- 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.
- No smoking.
- Observe label precautions.
- Electrical installations / working materials must comply with the technological safety standards.
- Keep in a dry, cool and well-ventilated place.

**Materials to avoid**
- Store and keep away from bases and alkalies.

**Storage temperature**
- < 54.4 °C
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>acetone</td>
<td>67-64-1</td>
<td>TWA</td>
<td>500 ppm</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>750 ppm</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>250 ppm / 590 mg/m3</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1,000 ppm / 2,400 mg/m3</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>750 ppm / 1,800 mg/m3</td>
<td>OSHA P0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>1,000 ppm / 2,400 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>
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</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>
</tbody>
</table>

Biological occupational exposure limits

<table>
<thead>
<tr>
<th>Component</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-PROPANONE</td>
<td>67-64-1</td>
<td>Acetone</td>
<td>Urine</td>
<td>End of shift (As soon as possible after exposure ceases)</td>
<td>50 mg/l</td>
<td>ACGIH BEI</td>
</tr>
</tbody>
</table>

Personal protective equipment

Respiratory protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

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

Eye protection: Safety glasses
Ensure that eyewash stations and safety showers are close to the workstation location.
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 containing a liquefied gas
Colour: colourless
Odour: odourized
Odour Threshold: no data available
pH: not applicable
Melting point/freezing point: no data available
Boiling point: not applicable
Flash point: not applicable
Evaporation rate: not determined
Flammability (solid, gas): Extremely flammable aerosol.

Upper explosion limit: no data available
Lower explosion limit: no data available
Vapour pressure: no data available
Relative vapour density: no data available
Density: < 1 g/cm³

Solubility(ies)
Water solubility: soluble
Solubility in other solvents: not determined

Partition coefficient: n-octanol/water: no data available
Auto-ignition temperature: not determined
Thermal decomposition: no data available
Viscosity
Viscosity, kinematic: no data available

SECTION 10. STABILITY AND REACTIVITY
Reactivity: Stable
Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions:
Vapours may form explosive mixture with air.
No decomposition if stored and applied as directed.
Conditions to avoid:
Heat, flames and sparks.
Extremes of temperature and direct sunlight.
Incompatible materials:
Oxidizing agents
Bases
Amines
Hazardous decomposition products:
Carbon dioxide (CO2)
Carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity: Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Acute dermal toxicity: Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Components:

Acetone:
Acute oral toxicity: LD50 rat: 5,800 mg/kg

Acute inhalation toxicity: LC50 rat: 132 mg/l
Exposure time: 3 h
LC50 rat: 50.1 mg/l

Acute dermal toxicity: LD50 guinea pig: > 7,426 mg/kg
LD50 rabbit: > 7,426 mg/kg

Propane:
Acute inhalation toxicity: LC50 mouse: 1,237 mg/l
Exposure time: 2 h
LC50 rat: 658 mg/l
Exposure time: 4 h
LC50 rat: 1,355 mg/l
butane:
  Acute inhalation toxicity: LC50 mouse: 1,237 mg/l
  Exposure time: 2 h
  LC50 rat: 1,355 mg/l

coumarin:
  Acute oral toxicity: LD50 Oral rat: 293 mg/kg

2-phenylethanol:
  Acute oral toxicity: LD50 Oral rat: 1,790 mg/kg
  Acute dermal toxicity: LD50 Dermal rabbit: 806 mg/kg

benzyl salicylate:
  Acute oral toxicity: LD50 Oral rat: 2,227 mg/kg

Skin corrosion/irritation
  Product:
  Remarks: slight irritation

Serious eye damage/eye irritation
  Product:
  Remarks: Irritating to eyes.

Respiratory or skin sensitisation
  Product:
  Remarks: Causes sensitisation.

Germ cell mutagenicity
no data available

Carcinogenicity
no data available

Reproductive toxicity
no data available
  acetone:
  propane:
  butane:
  coumarin:
  2-phenylethanol:
  benzyl salicylate:

STOT - single exposure
no data available
STOT - repeated exposure
no data available

Aspiration toxicity
no data available

Further information

Product:
Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
no data available

Persistence and degradability
no data available

Bioaccumulative potential

Product:
Remarks: no data available

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

2-phenylethanol:
Partition coefficient: n-octanol/water : Pow: 1.36

Mobility in soil
no data available

Other adverse effects
no data available

Product:
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: Dispose of in accordance with local regulations. Do not contaminate ponds, waterways or ditches with chemical or used container. The product should not be allowed to enter drains, water courses or the soil.

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

Transportation Regulation: 49 CFR (USA):
ORM-D, CONSUMER COMMODITY

Transportation Regulation: IMDG (Vessel):
UN1950, AEROSOLS, 2.1, - Limited quantity

Transportation Regulation: IATA (Cargo Air):
UN1950, Aerosols, flammable, 2.1, - Limited quantity

Transportation Regulation: IATA (Passenger Air):
UN1950, Aerosols, flammable, 2.1, - Limited quantity

Transportation Regulation: TDG (Canada):
UN1950, AEROSOLS, 2.1, - Limited quantity

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>acetone</td>
<td>67-64-1</td>
<td>5000</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 311/312 Hazards: Fire Hazard
Sudden Release of Pressure Hazard
Acute Health Hazard

SARA 302: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: 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.

California Prop 65 WARNING! This product contains a chemical known to the State of California to cause cancer.
benzophenone 119-61-9

The components of this product are reported in the following inventories:

- TSCA: On TSCA Inventory
- DSL: This product contains one or several components that are not on the Canadian DSL nor NDSL.
- AICS: Not in compliance with the inventory
- NZIoC: Not in compliance with the inventory
- PICCS: Not in compliance with the inventory
- IECSC: Not in compliance with the inventory

Inventory Acronym and Validity Area Legend:
AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

NFPA:

- Health: 0
- Flammability: 3

HMIS III:

- HEALTH: 1
- FLAMMABILITY: 3
- PHYSICAL HAZARD: 0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

OSHA GHS Label Information:
**SAFETY DATA SHEET**

**HILLYARD QUICK & CLEAN SUGAR & SPICE AIR FRESHENER**  
HIL0104354

<table>
<thead>
<tr>
<th>Version</th>
<th>Revision Date</th>
<th>Print Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>04/27/2015</td>
<td>05/29/2015</td>
</tr>
</tbody>
</table>

### Hazard pictograms

<table>
<thead>
<tr>
<th>Signal word</th>
<th>Hazard statements</th>
<th>Precautionary statements</th>
</tr>
</thead>
</table>
| **Danger:** | Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. | **Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear eye protection/face protection. Wear protective gloves.  
**Response:** IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse.  
**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
**Disposal:** Dispose of contents/container in accordance with local regulation. |

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own investigations to determine the suitability and applicability of the information for their particular purposes. This SDS has been prepared by the Compliance Services organization supporting this manufacturer, supplier or distributor.