1 Identification

- **Product identifier**: 325B4
- **Trade name**: 325B4 4P Metered IMPACT GENAIRE  Ocean Breeze
- **Manufacturer article number**: EAEDC265
- **Application of the substance / the mixture**: Air Freshener
- **Details of the supplier of the safety data sheet**: (740)(3)
- **Manufacturer/Supplier**: Impact Products, LLC
  2840 Centennial Road
  Toledo, Ohio 43617-1898
- **Information department**: Product Safety Department
- **Emergency telephone number**:
  Phone: 800.333.1541
  Fax: 800.333.1541
  Email: custserv@impact-products.com
  Emergency Telephone 24 hr
  INFOTRAC 1-352-323-3500 (International)
  1-800-535-5053 (North America)

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - GHS02 Flame
    Flam. Aerosol 1  H222  Extremely flammable aerosol.
  - GHS04 Gas cylinder
    Press. Gas H280  Contains gas under pressure; may explode if heated.
  - GHS07
    Eye Irrit. 2A  H319  Causes serious eye irritation.
    Skin Sens. 1  H317  May cause an allergic skin reaction.
    STOT SE 3  H336  May cause drowsiness or dizziness.

- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**
  - GHS02
  - GHS04
  - GHS07

- **Signal word**: Danger
- **Hazard-determining components of labeling**:
  - acetone
  - 2-(4-tert-Butylbenzyl)propionaldehyde
  - α-hexylcinnamaldehyde
- **Hazard statements**
  - Extremely flammable aerosol.

(Contd. on page 2)
Contains gas under pressure; may explode if heated.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause drowsiness or dizziness.

Precautionary statements
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Do not pierce or burn, even after use.
Do not spray on an open flame or other ignition source.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves / eye protection / face protection.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see on this label).
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER/doctor if you feel unwell.
Wash contaminated clothing before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Wash with plenty of water.
Store locked up.
Protect from sunlight. Store in a well-ventilated place.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:

NFPA ratings (scale 0 - 4)

<table>
<thead>
<tr>
<th>Health</th>
<th>Fire</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>

HMIS-ratings (scale 0 - 4)

<table>
<thead>
<tr>
<th>Health</th>
<th>Fire</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1</td>
<td>acetone</td>
</tr>
<tr>
<td>75-28-5</td>
<td>isobutane</td>
</tr>
<tr>
<td>74-98-6</td>
<td>propane</td>
</tr>
<tr>
<td>106-97-8</td>
<td>butane</td>
</tr>
<tr>
<td>Fragrance Trade Secret (740)</td>
<td></td>
</tr>
</tbody>
</table>

(Contd. on page 3)
4 First-aid measures

- **Description of first aid measures**
- **After inhalation:**
  Supply fresh air and to be sure call for a doctor.
  In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
  Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

- **Information for doctor:**
- Most important symptoms and effects, both acute and delayed: No further relevant information available.
- Indication of any immediate medical attention and special treatment needed
  No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
  Use fire-extinguishing media appropriate for surrounding materials. Foam. Dry powder. Carbon dioxide.
  Water spray. Sand.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/surface or ground water.
- **Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **Reference to other sections**
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

  **PAC-1:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1 acetone</td>
<td>200 ppm</td>
</tr>
<tr>
<td>75-28-5 isobutane</td>
<td>3500* ppm</td>
</tr>
<tr>
<td>74-98-6 propane</td>
<td>3500* ppm</td>
</tr>
<tr>
<td>106-97-8 butane</td>
<td>3500* ppm</td>
</tr>
<tr>
<td>110-91-8 morpholine</td>
<td>30 ppm</td>
</tr>
<tr>
<td>142-90-5 dodecyl methacrylate</td>
<td>6.9 ppm</td>
</tr>
<tr>
<td>100-51-6 Benzyl alcohol</td>
<td>30 ppm</td>
</tr>
</tbody>
</table>

  **PAC-2:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1 acetone</td>
<td>3200* ppm</td>
</tr>
<tr>
<td>75-28-5 isobutane</td>
<td>17000** ppm</td>
</tr>
<tr>
<td>74-98-6 propane</td>
<td>17000** ppm</td>
</tr>
<tr>
<td>106-97-8 butane</td>
<td>17000** ppm</td>
</tr>
</tbody>
</table>
Trade name: 325B4 4P Metered IMPACT GENAIRE Ocean Breeze

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-91-8</td>
<td>morpholine</td>
<td>1,300 ppm</td>
</tr>
<tr>
<td>142-90-5</td>
<td>dodecyl methacrylate</td>
<td>76 ppm</td>
</tr>
<tr>
<td>100-51-6</td>
<td>Benzyl alcohol</td>
<td>52 ppm</td>
</tr>
<tr>
<td>PAC-3:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>67-64-1</td>
<td>acetone</td>
<td>5700* ppm</td>
</tr>
<tr>
<td>75-28-5</td>
<td>isobutane</td>
<td>53000*** ppm</td>
</tr>
<tr>
<td>74-98-6</td>
<td>propane</td>
<td>33000*** ppm</td>
</tr>
<tr>
<td>106-97-8</td>
<td>butane</td>
<td>53000*** ppm</td>
</tr>
<tr>
<td>110-91-8</td>
<td>morpholine</td>
<td>8000** ppm</td>
</tr>
<tr>
<td>142-90-5</td>
<td>dodecyl methacrylate</td>
<td>460 ppm</td>
</tr>
<tr>
<td>100-51-6</td>
<td>Benzyl alcohol</td>
<td>740 ppm</td>
</tr>
</tbody>
</table>

7 Handling and storage

- Handling:
  - Precautions for safe handling: No special precautions are necessary if used correctly.
  - Information about protection against explosions and fires:
    Do not spray on a naked flame or any incandescent material.
    Keep ignition sources away - Do not smoke.
    Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.
  - Conditions for safe storage, including any incompatibilities
  - Storage:
    - Requirements to be met by storerooms and receptacles:
      Observe official regulations on storing packagings with pressurized containers.
    - Information about storage in one common storage facility: Not required.
    - Further information about storage conditions: Keep receptacle tightly sealed.

- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Control parameters
  - Components with limit values that require monitoring at the workplace:
    The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
    At this time, the other constituents have no known exposure limits.

67-64-1 acetone

- PEL Long-term value: 2400 mg/m³, 1000 ppm
- REL Long-term value: 590 mg/m³, 250 ppm
- TLV Short-term value: 1187 mg/m³, 500 ppm
- Long-term value: 594 mg/m³, 250 ppm
- BEI

75-28-5 isobutane

- TLV Short-term value: (2370) mg/m³, (1000) ppm
- NIC-EX

74-98-6 propane

- PEL Long-term value: 1800 mg/m³, 1000 ppm
- REL Long-term value: 1800 mg/m³, 1000 ppm
- TLV refer to Appendix F in TLVs & BEIs book; NIC-EX
Trade name: 325B4 4P Metered IMPACT GENAIRE Ocean Breeze

### 106-97-8 butane

<table>
<thead>
<tr>
<th>REL</th>
<th>Long-term value: 1900 mg/m³, 800 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>TLV</td>
<td>Short-term value: (2370) mg/m³, (1000) ppm</td>
</tr>
<tr>
<td>NIC-EX</td>
<td></td>
</tr>
</tbody>
</table>

### Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>67-64-1 acetone</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEI</td>
</tr>
<tr>
<td>Medium: urine</td>
</tr>
<tr>
<td>Time: end of shift</td>
</tr>
<tr>
<td>Parameter: Acetone (nonspecific)</td>
</tr>
</tbody>
</table>

### Additional information:
The lists that were valid during the creation were used as basis.

### Exposure controls

### Personal protective equipment:

#### General protective and hygienic measures:
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.

#### Breathing equipment:
- Not required.

#### Protection of hands:

- **Protective gloves**

  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

  The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### Eye protection:

- **Safety glasses**

  Tightly sealed goggles

### 9 Physical and chemical properties

#### Information on basic physical and chemical properties

- **General Information**

  - **Appearance:**
    - Form: Aerosol
    - Color: According to product specification
    - Odor: Characteristic

(Contd. on page 6)
### Odor threshold:
Not determined.

### pH-value:
Not determined.

### Change in condition:
- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** -11 °C (12 °F)

### Flash point:
< 0 °C (< 32 °F)

### Flammability (solid, gaseous):
Not applicable.

### Ignition temperature:
460 °C (860 °F)

### Decomposition temperature:
Not determined.

### Auto igniting:
Product is not selfigniting.

### Danger of explosion:
Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

### Explosion limits:
- **Lower:** 1.8 Vol %
- **Upper:** 13.0 Vol %

### Vapor pressure at 20 °C (68 °F):
3000 hPa (2250 mm Hg)

### Density:
Not determined.

### Relative density
Not determined.

### Vapor density
Not determined.

### Evaporation rate
Not applicable.

### Solubility in / Miscibility with Water:
Not miscible or difficult to mix.

### Partition coefficient (n-octanol/water):
Not determined.

### Viscosity:
- **Dynamic:** Not determined.
- **Kinematic:** Not determined.

### Solvent content:
- **Organic solvents:** 83.8 %
- **VOC content:** 26.1 %
  - 260.5 g/l / 2.17 lb/gl

### Solids content:
4.2 %

### Other information
No further relevant information available.

## 10 Stability and reactivity

### Reactivity
No further relevant information available.

### Chemical stability

### Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.

### Possibility of hazardous reactions
No dangerous reactions known.

### Conditions to avoid
No further relevant information available.

### Incompatible materials:
No further relevant information available.

### Hazardous decomposition products:
No dangerous decomposition products known.
11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
  - LD/LC50 values that are relevant for classification:

<table>
<thead>
<tr>
<th>Compound</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetone</td>
<td>(rat)</td>
<td>(rabbit)</td>
</tr>
<tr>
<td>67-64-1 acetone</td>
<td>5800 mg/kg</td>
<td>20000 mg/kg</td>
</tr>
</tbody>
</table>

- Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eye: Irritating effect.
  - Sensitization: Sensitization possible through skin contact.
- Additional toxicological information:
The product shows the following dangers according to internally approved calculation methods for preparations:
  - Irritant

- Carcinogenic categories

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC (International Agency for Research on Cancer)</td>
<td>110-91-8 morpholine</td>
</tr>
<tr>
<td>NTP (National Toxicology Program)</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td>OSHA-Ca (Occupational Safety &amp; Health Administration)</td>
<td>None of the ingredients is listed.</td>
</tr>
</tbody>
</table>

12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability: No further relevant information available.
  - Behavior in environmental systems:
  - Bioaccumulative potential: No further relevant information available.
  - Mobility in soil: No further relevant information available.
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- Other adverse effects: No further relevant information available.

13 Disposal considerations

- Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number
  - DOT, IMDG, IATA: UN1950
- UN proper shipping name
  - DOT: Aerosols, flammable
  - IMDG: AEROSOLS
  - IATA: AEROSOLS, flammable
- Transport hazard class(es)
  - DOT
    - Class 2.1
    - Label 2.1
  - IMDG, IATA
    - Class 2.1
    - Label 2.1

- Packing group
  - DOT, IMDG, IATA not regulated

- Environmental hazards:
  - Marine pollutant: No

- Special precautions for user
  - Warning: Gases
  - Danger code (Kemler): -
  - EMS Number: F-D,S-U
  - Stowage Code
    - SW1 Protected from sources of heat.
    - SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

- Segregation Code
  - SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

- Transport/Additional information:
  - DOT
    - Quantity limitations
      - On passenger aircraft/rail: 75 kg
      - On cargo aircraft only: 150 kg
  - IMDG
    - Limited quantities (LQ) 1L
    - Excepted quantities (EQ)
      - Code: E0
      - Not permitted as Excepted Quantity
  - UN "Model Regulation":
    - UN 1950 AEROSOLS, 2.1
### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Sara**
    - None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**
  - None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**
  - 67-64-1 acetone
  - 75-28-5 isobutane
  - 74-98-6 propane
  - 106-97-8 butane
  - 25265-71-8 oxydipropanol
  - 80-54-6 2-(4-tert-Butylbenzyl)propionaldehyde
  - 118-58-1 benzyl salicylate
  - 101-86-0 α-hexylcinnamaldehyde
  - 110-91-8 morpholine
  - 142-90-5 dodecyl methacrylate
  - 78-70-6 Linalool
  - 106-22-9 Citronellol
  - 127-51-5 Iraldeine gamma
  - 106-24-1 Geraniol
  - 5392-40-5 Citral
  - 100-51-6 Benzyl alcohol

- **Proposition 65**
  - **Chemicals known to cause cancer:**
    - None of the ingredients is listed.

  - **Chemicals known to cause reproductive toxicity for females:**
    - None of the ingredients is listed.

  - **Chemicals known to cause reproductive toxicity for males:**
    - None of the ingredients is listed.

  - **Chemicals known to cause developmental toxicity:**
    - None of the ingredients is listed.

- **Carcinogenic categories**
  - **EPA (Environmental Protection Agency)**
    - 67-64-1 acetone I
  - **TLV (Threshold Limit Value established by ACGIH)**
    - 67-64-1 acetone A4
    - 110-91-8 morpholine A4
  - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
    - None of the ingredients is listed.

- **GHS label elements**
  - The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 10)
Hazard pictograms

GHS02  GHS04  GHS07

Signal word Danger

Hazard-determining components of labeling:
- acetone
- 2-(4-tert-Butylbenzyl)propionaldehyde
- α-hexylcinnamaldehyde

Hazard statements
- Extremely flammable aerosol.
- Contains gas under pressure; may explode if heated.
- Causes serious eye irritation.
- May cause an allergic skin reaction.
- May cause drowsiness or dizziness.

Precautionary statements
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Do not pierce or burn, even after use.
- Do not spray on an open flame or other ignition source.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Wear protective gloves / eye protection / face protection.
- Wash thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing must not be allowed out of the workplace.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
- Continue rinsing.
- Specific treatment (see on this label).
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- Call a POISON CENTER/doctor if you feel unwell.
- Wash contaminated clothing before reuse.
- If skin irritation or rash occurs: Get medical advice/attention.
- If eye irritation persists: Get medical advice/attention.
- IF ON SKIN: Wash with plenty of water.
- Store locked up.
- Protect from sunlight. Store in a well-ventilated place.
- Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- Store in a well-ventilated place. Keep container tightly closed.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Other information
This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS: Product Safety Department
Contact: 800.333.1541
Date of preparation / last revision 08/17/2017 / 9

Abbreviations and acronyms:
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Aerosol 1: Aerosols – Category 1
Press. Gas: Gases under pressure – Compressed gas
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Sources

Additional Information Section 11 and Section 15


* Data compared to the previous version altered.