

# Metered Air Freshener – Berry

## Safety Data Sheet

**TOTAL**  
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### SECTION 1: Product and company identification

Product name : Metered Air Freshener – Berry  
Use of the substance/mixture : Odorant  
Aerosol  
Product code : 8424  
Company : Total Solutions  
P.O. Box 240014  
Milwaukee, WI 53224 - USA  
T (414) 354-6417  
Emergency number : Chemtec: (800) 424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flam. Aerosol 1 H222  
Eye Irrit. 2A H319  
STOT SE 3 H336

Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: Extremely flammable aerosol  
Causes serious eye irritation  
May cause drowsiness or dizziness

Precautionary statements (GHS-US)

: Keep away from heat, Do not smoke, open flames, sparks. - 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 mist, vapors  
Wash thoroughly after handling  
Use only outdoors or in a well-ventilated area  
Wear eye protection, face protection  
If inhaled: Remove person to fresh air and keep comfortable for breathing  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Call a doctor, a POISON CENTER if you feel unwell  
If eye irritation persists: Get medical advice/attention  
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  
Dispose of contents/container to comply with local/regional/national/international regulations

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substance

Not applicable

Full text of H-phrases: see section 16

#### 3.2. Mixture

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| Name                             | Product identifier | %       | GHS-US classification                                        |
|----------------------------------|--------------------|---------|--------------------------------------------------------------|
| acetone, propan-2-one, propanone | (CAS No) 67-64-1   | 60 - 80 | Flam. Liq. 2, H225<br>Eye Irrit. 2A, H319<br>STOT SE 3, H336 |
| butane                           | (CAS No) 106-97-8  | 10 - 20 | Flam. Gas 1, H220<br>Compressed gas, H280                    |
| propane                          | (CAS No) 74-98-6   | 10 - 20 | Flam. Gas 1, H220<br>Compressed gas, H280                    |

A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : If breathing is difficult, give oxygen. Get immediate medical attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. show this sheet where possible. Keep victim warm and rested.
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or a doctor if you feel unwell.
- First-aid measures after skin contact : Wash with water and soap. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell. Rinse mouth.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Causes serious eye irritation. May cause drowsiness or dizziness.
- Symptoms/injuries after inhalation : May cause drowsiness or dizziness.
- Symptoms/injuries after skin contact : Contact during a long period may cause light irritation.
- Symptoms/injuries after eye contact : Causes serious eye irritation.
- Symptoms/injuries after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Keep watching the victim. Symptoms may be delayed.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam. Dry powder. Carbon dioxide. Water fog.
- Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Extremely flammable aerosol.
- Explosion hazard : Contents under pressure. Pressurized container: may burst if heated.
- Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

#### 5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Move containers away from the fire area if this can be done without risk. Use water spray or fog for cooling exposed containers. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Stay upwind/keep distance from source. Evacuate unnecessary personnel. Vapors may travel long distances along ground before igniting/flashing back to vapor source.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Do not enter without an appropriate protective equipment. Advice local authorities if considered necessary. DO NOT touch spilled material. Ventilate the area thoroughly, especially low lying areas (basements, work pits etc.).
- Emergency procedures : Do not breathe gas. Evacuate unnecessary personnel. Keep upwind. Ventilate spillage area.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area.

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### 6.2. Environmental precautions

Avoid release to the environment. Advise local authorities if considered necessary. Stop leak if safe to do so. Do not contaminate water with the product or its container. Prevent entry to sewers and public waters. Do not allow to enter drains or water courses.

### 6.3. Methods and material for containment and cleaning up

- For containment : Eliminate every possible source of ignition. Prevent the product from entering drains or confined areas. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Form with air vapors (heavier than air) who stay on the floor. Stop leak if safe to do so. Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid. Isolate area until gas has dispersed. Collect spillage.
- Methods for cleaning up : Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Do not use if spray button is missing or defective. Pressurized container: Do not pierce or burn, even after use. Keep away from heat, sparks and flame.
- Precautions for safe handling : Avoid prolonged and repeated contact with skin. Do not breathe gas/vapor/aerosol. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. . Do not spray on a naked flame or any incandescent material. Do not smoke while handling product. Ground/bond container and receiving equipment. Do not re-use empty containers. Avoid contact with skin and eyes. Use only outdoors or in a well-ventilated area. Observe normal hygiene standards. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Do not discharge the waste into the drain. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Prevent the build-up of electrostatic charge.
- Hygiene measures : Wash thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Pressurized container. Do not puncture, incinerate or crush. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge.
- Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep cool. Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C/ 122 °F. Refrigerate. Keep container tightly closed.
- Storage area : Aerosol 3.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| acetone, propan-2-one, propanone (67-64-1) |                        |                          |
|--------------------------------------------|------------------------|--------------------------|
| ACGIH                                      | ACGIH TWA (ppm)        | 250 ppm                  |
| ACGIH                                      | ACGIH STEL (ppm)       | 500 ppm                  |
| ACGIH                                      | Remark (ACGIH)         | eye irr; CNS impair; BEI |
| OSHA                                       | OSHA PEL (TWA) (mg/m³) | 2400 mg/m³               |
| OSHA                                       | OSHA PEL (TWA) (ppm)   | 1000 ppm                 |
| butane (106-97-8)                          |                        |                          |
| ACGIH                                      | ACGIH TWA (ppm)        | 1000 ppm                 |
| ACGIH                                      | ACGIH STEL (ppm)       | 1000 ppm                 |
| propane (74-98-6)                          |                        |                          |
| ACGIH                                      | ACGIH TWA (ppm)        | 1000 ppm                 |
| OSHA                                       | OSHA PEL (TWA) (mg/m³) | 1800 mg/m³               |
| OSHA                                       | OSHA PEL (TWA) (ppm)   | 1000 ppm                 |

### 8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station. If exposure limits have not been established, maintain airborne levels to an acceptable level. . Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. . Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

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### Personal protective equipment

: Gloves. Protective goggles. Protective clothing. Use appropriate personal protective equipment when risk assessment indicates this is necessary.



### Hand protection

: Gloves.

### Eye protection

: Chemical goggles or face shield.

### Skin and body protection

: Wear suitable protective clothing.

### Respiratory protection

: In case of inadequate ventilation wear respiratory protection.

### Thermal hazard protection

: Use appropriate personal protective equipment when risk assessment indicates this is necessary.

### Consumer exposure controls

: When using do not smoke. Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Take off contaminated clothing and wash it before reuse.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                             |                                |
|---------------------------------------------|--------------------------------|
| Physical state                              | : Liquid                       |
| Appearance                                  | : Aerosol.                     |
| Odor                                        | : Pleasant scent               |
| Odor threshold                              | : No data available            |
| pH                                          | : No data available            |
| Melting point                               | : No data available            |
| Freezing point                              | : No data available            |
| Boiling point                               | : 132.89 °F Estimated          |
| Flash point                                 | : -156 °F Propellant estimated |
| Relative evaporation rate (butyl acetate=1) | : No data available            |
| Flammability (solid, gas)                   | : No data available            |
| Explosion limits                            | : No data available            |
| Explosive properties                        | : No data available            |
| Oxidizing properties                        | : No data available            |
| Vapor pressure                              | : No data available            |
| Relative density                            | : No data available            |
| Relative vapor density at 20 °C             | : No data available            |
| Specific gravity / density                  | : 0.15 g/cm³ Estimated         |
| Solubility                                  | : No data available            |
| Log Pow                                     | : No data available            |
| Log Kow                                     | : No data available            |
| Auto-ignition temperature                   | : No data available            |
| Decomposition temperature                   | : No data available            |
| Viscosity                                   | : No data available            |
| Viscosity, kinematic                        | : No data available            |
| Viscosity, dynamic                          | : No data available            |
| VOC content                                 | : < 29 Estimated               |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

### 10.4. Conditions to avoid

Aerosol containers are unstable at temperatures above 49°C. Avoid temperatures exceeding the flash point.

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### 10.5. Incompatible materials

Strong oxidizing agents. Nitrates. Fluorine. Chlorine. acids.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                                                    |                                                                                                      |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Acute toxicity                                     | : Not classified                                                                                     |
| Skin corrosion/irritation                          | : Not classified                                                                                     |
| Serious eye damage/irritation                      | : Causes serious eye irritation.                                                                     |
| Respiratory or skin sensitization                  | : Not classified                                                                                     |
| Germ cell mutagenicity                             | : Not classified                                                                                     |
| Carcinogenicity                                    | : Not classified                                                                                     |
| Reproductive toxicity                              | : Not classified                                                                                     |
| Specific target organ toxicity (single exposure)   | : May cause drowsiness or dizziness.                                                                 |
| Specific target organ toxicity (repeated exposure) | : Not classified                                                                                     |
| Aspiration hazard                                  | : Not classified                                                                                     |
| Symptoms/injuries after inhalation                 | : May cause drowsiness or dizziness.                                                                 |
| Symptoms/injuries after skin contact               | : Contact during a long period may cause light irritation.                                           |
| Symptoms/injuries after eye contact                | : Causes serious eye irritation.                                                                     |
| Symptoms/injuries after ingestion                  | : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. |

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                |                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste treatment methods        | : Contents under pressure. Do not puncture, incinerate or crush. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. . Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. This material and its container must be disposed of as hazardous waste. |
| Waste disposal recommendations | : Dispose of contents/container to comply with local/regional/national regulations. Do not discharge into the sewer.                                                                                                                                                                                                                    |
| Additional information         | : Do not re-use empty containers. Handle unclean empty containers as full ones.                                                                                                                                                                                                                                                         |

## SECTION 14: Transport information

### Department of Transportation (DOT)

|                                |                                                                       |
|--------------------------------|-----------------------------------------------------------------------|
| Transport document description | : UN1950 Aerosols (flammable, (each not exceeding 1 L capacity)), 2.1 |
| UN-No.(DOT)                    | : UN1950                                                              |
| Proper Shipping Name (DOT)     | : Aerosols<br>flammable, (each not exceeding 1 L capacity)            |
| Class (DOT)                    | : 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115                      |
| Hazard labels (DOT)            | : 2.1 - Flammable gas                                                 |



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|                                                                  |                                                                                                                                                                              |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DOT Packaging Non Bulk (49 CFR 173.xxx)                          | : None                                                                                                                                                                       |
| DOT Packaging Bulk (49 CFR 173.xxx)                              | : None                                                                                                                                                                       |
| DOT Special Provisions (49 CFR 172.102)                          | : N82                                                                                                                                                                        |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 306                                                                                                                                                                        |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 75 kg                                                                                                                                                                      |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : 150 kg                                                                                                                                                                     |
| DOT Vessel Stowage Location                                      | : A                                                                                                                                                                          |
| DOT Vessel Stowage Other                                         | : 25 - Shade from radiant heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials |

### Additional information

|                   |                                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Other information | : This product may be eligible to be shipped as a Limited Quantity or Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.306. |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|

### ADR

No additional information available

### Transport by sea

|                             |                         |
|-----------------------------|-------------------------|
| UN-No. (IMDG)               | : UN1950                |
| Proper Shipping Name (IMDG) | : Aerosols              |
| Class (IMDG)                | : 2.1 - Flammable gases |

### Air transport

|                             |                           |
|-----------------------------|---------------------------|
| UN-No. (IATA)               | : UN1950                  |
| Proper Shipping Name (IATA) | : Aerosols, flammable     |
| Class (IATA)                | : 2.1 - Gases : Flammable |

## SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

|                                                                   |         |
|-------------------------------------------------------------------|---------|
| acetone, propan-2-one, propanone (67-64-1)                        |         |
| Not listed on SARA Section 313 (Specific toxic chemical listings) |         |
| CERCLA RQ                                                         | 5000 lb |
| butane (106-97-8)                                                 |         |
| Not listed on SARA Section 313 (Specific toxic chemical listings) |         |
| propane (74-98-6)                                                 |         |
| Not listed on SARA Section 313 (Specific toxic chemical listings) |         |

California Proposition 65 - This product does not contain substances known to the state of California to cause cancer and/or reproductive toxicity.

## SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases:

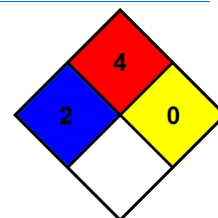
|      |                                                    |
|------|----------------------------------------------------|
| H220 | Extremely flammable gas                            |
| H222 | Extremely flammable aerosol                        |
| H225 | Highly flammable liquid and vapor                  |
| H280 | Contains gas under pressure; may explode if heated |
| H319 | Causes serious eye irritation                      |
| H336 | May cause drowsiness or dizziness                  |

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- NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
- NFPA fire hazard : 4 - Will rapidly or completely vaporize at normal pressure and temperature, or is readily dispersed in air and will burn readily.
- NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Prepared by: Technical Department

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.*