1 Identification

- **Product identifier**
- **Trade name:** AEROSOL ODOR TERMINATOR-FRESH & CLEAN
- **Article number:** AOT-56
- **Application of the substance / the mixture** Odour neutralising agent

- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
  BAF Industries
  8010 Dixie Highway
  Florence, KY 41042
  USA
  phone: 859-372-5900

- **Information department:** msds_info@prowax.com

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.

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

- **Hazard pictograms**
  - GHS02
  - GHS04

- **Signal word** Danger

- **Hazard statements**
  Extremely flammable aerosol.

- **Precautionary statements**
  Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
  Pressurized container: Do not pierce or burn, even after use.
  Do not spray on an open flame or other ignition source.
  Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
  Store in a well-ventilated place.

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**
  - Health = 2
  - Fire = 4
  - Reactivity = 0

(Contd. on page 2)
Trade name: AEROSOL ODOR TERMINATOR-FRESH & CLEAN

· HMIS-ratings (scale 0 - 4)
  - Health = 2
  - Fire = 4
  - Reactivity = 0

· 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:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Hazard Class</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5 ethanol</td>
<td>H225, H280</td>
<td>50-100%</td>
</tr>
<tr>
<td>106-97-8 butane</td>
<td>H220; H280</td>
<td>10-25%</td>
</tr>
<tr>
<td>74-98-6 propane</td>
<td>H220; H280</td>
<td>10-25%</td>
</tr>
</tbody>
</table>

4 First-aid measures

· Description of first aid measures
  · After inhalation: Supply fresh air; consult doctor in case of complaints.
  · After skin contact: Generally the product does not irritate the skin.
  · After eye contact: Rinse opened eye for several minutes under running water.
  · 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: CO2, sand, extinguishing powder. Do not use water.
  · For safety reasons unsuitable extinguishing agents: Water with full jet

· 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 product to reach sewage system or any water course.
    · Inform respective authorities in case of seepage into water course or sewage system.
    · Do not allow to enter sewers/ surface or ground water.

· Methods and material for containment and cleaning up:
  · Ensure adequate ventilation.
  · Do not flush with water or aqueous cleansing agents

· Reference to other sections
  · See Section 7 for information on safe handling.
7 Handling and storage

· Handling:
  · Precautions for safe handling: Open and handle receptacle with care.
  · 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.
    Protect against electrostatic charges.
    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:
      Store in a cool location.
      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.
  · Do not gas tight seal receptacle.
  · Store in cool, dry conditions in well sealed receptacles.
  · Protect from heat and direct sunlight.

· 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

<table>
<thead>
<tr>
<th>Component</th>
<th>PEL Long-term value</th>
<th>REL Long-term value</th>
<th>TLV Short-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5 ethanol</td>
<td>1900 mg/m³, 1000 ppm</td>
<td>1900 mg/m³, 1000 ppm</td>
<td>1880 mg/m³, 1000 ppm</td>
</tr>
<tr>
<td>106-97-8 butane</td>
<td>1900 mg/m³, 800 ppm</td>
<td></td>
<td>2370 mg/m³, 1000 ppm</td>
</tr>
<tr>
<td>74-98-6 propane</td>
<td>1800 mg/m³, 1000 ppm</td>
<td></td>
<td>refer to Appendix F</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: Wash hands before breaks and at the end of work.
    · Breathing equipment: Use suitable respiratory protective device in case of insufficient ventilation.
  · Protection of hands:
    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:**
  Tightly sealed goggles

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**9 Physical and chemical properties**

- **Information on basic physical and chemical properties**
- **General Information**
  - **Form:** Aerosol
  - **Color:** According to product specification
  - **Odor:** Pleasant
  - **Odour threshold:** Not determined.
  - **pH-value:** Not applicable

- **Change in condition**
  - **Melting point/Melting range:** Undetermined.
  - **Boiling point/Boiling range:** -44 °C (-47 °F)

- **Flash point:** -97 °C (-143 °F)

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** 365 °C (689 °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:** 1.5 Vol %
  - **Upper:** 15.0 Vol %

- **Vapor pressure at 20 °C (68 °F):** 8300 hPa (6226 mm Hg)

- **Density at 20 °C (68 °F):** 0.7 g/cm³ (5.842 lbs/gal)
  - **Relative density:** Not determined.
  - **Vapour 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
Trade name: AEROSOL ODOR TERMINATOR-FRESH & CLEAN

<table>
<thead>
<tr>
<th>Kinematic:</th>
<th>Not determined.</th>
</tr>
</thead>
<tbody>
<tr>
<td>· Solvent content:</td>
<td></td>
</tr>
<tr>
<td>· Organic solvents:</td>
<td>93.0 %</td>
</tr>
<tr>
<td>· VOC content:</td>
<td>93.0 %</td>
</tr>
<tr>
<td>· Other information</td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

* 10 Stability and reactivity

- Reactivity
- 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:
    - Primary irritant effect:
      - on the skin: No irritant effect.
      - on the eye: No irritating effect.
    - Sensitization: No sensitizing effects known.
  - Additional toxicological information:
  - Carcinogenic categories
    - IARC (International Agency for Research on Cancer)
      None of the ingredients is listed.
    - NTP (National Toxicology Program)
      None of the ingredients is listed.
    - OSHA-Ca (Occupational Safety & Health Administration)
      None of the ingredients is listed.

* 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.
- Additional ecological information:
- General notes:
  - Water hazard class 1 (Self-assessment): slightly hazardous for water
  - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- Other adverse effects: No further relevant information available.
### 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**
    Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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

### 14 Transport information

<table>
<thead>
<tr>
<th><strong>UN-Number</strong></th>
<th>UN1950</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DOT, ADR, IMDG, IATA</strong></td>
<td>Aerosols, flammable</td>
</tr>
<tr>
<td><strong>DOT</strong></td>
<td>1950 Aerosols</td>
</tr>
<tr>
<td><strong>ADR</strong></td>
<td>AEROSOLS</td>
</tr>
<tr>
<td><strong>IMDG</strong></td>
<td>AEROSOLS, flammable</td>
</tr>
<tr>
<td><strong>IATA</strong></td>
<td>AEROSOLS, flammable</td>
</tr>
</tbody>
</table>

- **Transport hazard class(es)**
  - **DOT**
    - **Class** 2.1
    - **Label** 2.1
  - **ADR**
    - **Class** 2 5F Gases
    - **Label** 2.1
  - **IMDG, IATA**
    - **Class** 2.1
    - **Label** 2.1

- **Packing group**
  - **DOT, ADR, IMDG, IATA** Void

- **Environmental hazards**
  - **Marine pollutant:** No

- **Special precautions for user**
  - **Warning:** Gases

- **Danger code (Kemler):** -

- **EMS Number:** F-D,S-U

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
Trade name: AEROSOL ODOR TERMINATOR-FRESH & CLEAN

- Transport/Additional information:
  - DOT
  - Quantity limitations
    - CONSUMER COMMODITY ORM-D
    - On passenger aircraft/rail: 75 kg
    - On cargo aircraft only: 150 kg

- ADR
  - Excepted quantities (EQ)
    - Code: E0
    - Not permitted as Excepted Quantity

- IMDG
  - Limited quantities (LQ)
    - 1L
  - Excepted quantities (EQ)
    - Code: E0
    - Not permitted as Excepted Quantity

- UN "Model Regulation":
  - UN1950, Aerosols, 2.1

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Section 355 (extremely hazardous substances):
    - None of the ingredients is listed.
  - Section 313 (Specific toxic chemical listings):
    - None of the ingredients is listed.
  - TSCA (Toxic Substances Control Act) All ingredients are listed
  - 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:
    - 64-17-5 ethanol
  - Carcinogenic categories
    - None of the ingredients is listed.
  - EPA (Environmental Protection Agency)
    - None of the ingredients is listed.
  - TLV (Threshold Limit Value established by ACGIH)
    - 64-17-5 ethanol A3
  - 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).
    - Hazard pictograms
      - GHS02
      - GHS04

- Signal word Danger
Hazard statements
Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.

Precautionary statements
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Pressurized container: Do not pierce or burn, even after use.
Do not spray on an open flame or other ignition source.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Store in a well-ventilated place.

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

16 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.

- Date of preparation / last revision 06/01/2015 / 16
- Abbreviations and acronyms:
  RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  ICAO: International Civil Aviation Organisation
  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)
  Flam. Gas 1: Flammable gases, Hazard Category 1
  Flam. Aerosol 1: Flammable aerosols, Hazard Category 1
  Press. Gas: Gases under pressure: Compressed gas
  Flam. Liq. 2: Flammable liquids, Hazard Category 2

* Data compared to the previous version altered.