

## SECTION 1 - IDENTIFICATION

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|---------------------------------------|---|
| <b>Product identifier/Trade name:</b> | SAFEBLEND ODOUR COUNTERACTANT FLORAL, READY TO USE  |
| <b>Other means of identification:</b> | ORGE  |
| <b>Recommended use:</b>               | Deodorizer and odour neutralizer  |
| <b>Restriction on use:</b>            | For industrial, institutional and food plants use only.   |
| <b>Initial supplier identifier:</b>   | Chemotec (PM) Inc.<br>8820 Place Ray-Lawson<br>Anjou, Quebec, Canada H1J 1Z2<br>Phone: (514) 729-6321; 1-800-729-6321 |
| <b>Emergency phone number:</b>        | (613) 996-6666 (CANUTEC)  |

## SECTION 2 - HAZARDS IDENTIFICATION

### 2a GHS (Globally Harmonized System) classification

This product is classified as a Combustible liquid, category 4.

### 2b Label elements

None

### Precautionary statement

Keep away from flames and hot surfaces. No smoking. In case of fire, use as extinguisher carbon dioxide, dry chemical media or alcohol resistant foam. If only water is available, use it in the form of a fog. Wear protective gloves and eye protection.

Keep in closed containers in a well ventilated place. Dispose of material and container in accordance with local, provincial and federal regulations.

### Signal word:

**Warning.**

### Hazard statements

Combustible liquid.

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| <b>SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS</b> |
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| Ingredients                      | CAS #      | % (weight) | GHS CLASSIFICATION   |
|----------------------------------|------------|------------|--|
| Ethanol or Ethyl alcohol         | 64-17-5    | 1-5        | Flammable liquid, category 2;  |
| Sodium (C14-16) olefin sulfonate | 68439-57-6 | 1-5        | Toxicity, acute, oral, category 4<br>Eye irritation, category 2<br>Skin irritation, category 2 |
| Ethoxylated alcohol              | 68131-39-5 | 1-5        | Eye irritation, category 2<br>Skin irritation, category 2                                      |

The actual concentrations are withheld as a trade secret.

|                                       |
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| <b>SECTION 4 - FIRST AID MEASURES</b> |
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#### 4a Description of first aid measures

**Eye contact:**

Immediately rinse with plenty of water keeping eyelids open. If irritation persists seek medical attention.

**Skin contact:**

Rinse with water. If irritation develops, consult medical personnel.

**Inhalation:**

Bring person to fresh air. If irritation persists, get medical advice.

**Ingestion:**

Rinse mouth. Never give anything by mouth if the person is unconscious. Do not induce vomiting. Seek medical attention if unwell.

#### 4b Most important symptoms and effects

**Eye:** May cause irritation, redness, tears, burning sensation.

**Skin:** May cause irritation.

**Inhalation:** Irritation not very likely.

**Ingestion:** May be harmful.

#### 4c Immediate medical attention and special treatment needed

Provide a symptomatic treatment. In case of intoxication, contact an anti-poison center if large quantities have been ingested or inhaled.

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| <b>SECTION 5 - FIRE FIGHTING MEASURES</b> |
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#### 5a Extinguishing media

Suitable extinguishing media:

Alcohol resistant foam. Use carbon dioxide or dry chemical media for small fires. If only water is available, use it in the form of a fog.

Unsuitable extinguishing media:

This material may produce a floating fire hazard in extreme fire conditions. Do not use high volume water jet.

#### Specific hazards for product

Hazardous combustion products:

Oxides of carbon and other irritating gases.

#### Special protective equipment and precautions for firefighters

Special fire-fighting procedures/equipment:

During a fire, irritating smoke and fumes may be generated. A self-contained breathing apparatus is required for fire-fighting personnel to protect themselves from irritating products produced during the combustion. Move containers from fire area if it can be done without risk. A stream of water directed into the product generates a lot of foam. Use water spray to cool fire-exposed containers or structures. Use water spray to disperse vapours; reignition is possible. Isolate materials that are not involved in the fire and protect personnel. Cool containers with flooding quantities of water until well after the fire is out.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**6a Personal precautions, protective equipment and emergency procedures**

Personal protection:

Avoid contact with eyes and skin. Avoid breathing vapours. Use adequate aeration and ventilation. Wear, safety glasses and in case of possible contact, rubber gloves. Floor will be slippery in case of a spill.

**6b Methods and materials for containment and cleaning:**

Remove any possible source of ignition. Stop the leak. For large spills, pump the product into drums or clean up spills using absorbent material. Resume cleaning by rinsing with water. Caution: floors will be slippery.

**6c Environmental precautions:**

Do not let large quantities go to the sewers.

**SECTION 7 - HANDLING AND STORAGE**

**7a Precautions for Safe handling:**

Avoid contact with eyes and skin. Avoid breathing vapours. In case of possible contact, wear gloves, safety glasses.

**7b Condition for safe storage:**

Store in a sealed container in a well-ventilated place. Do not store with food products. Keep from freezing.

**7c Special packaging materials:** none.

Avoid contact with strong oxidizers.

**SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**8a Control parameters**

|         | Ontario Time-weighted Average Limit (TWA) | Ontario Short-Term Exposure Limit (STEL) | Notations |
|---------|---|--|-----------|
| Ethanol | 1,0000 ppm                                | 1,000 ppm                                |           |

**8b Engineering controls:**

None required for normal applications.

**8c Individual protection measures**

Respiratory Protection:

Not required under normal applications.

Skin protection and other protective equipment:

Rubber gloves if contact is possible.

Eye / face protection:

Safety glasses

General hygiene considerations:

**KEEP OUT OF REACH OF CHILDREN.** Avoid contact with eyes and skin. Avoid breathing vapours. Never eat, drink, or smoke in work areas. Good hygiene is recommended after use of this product.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

|   |  |
|---|--|
| <b>Appearance and odour:</b>                              | Clear liquid, floral scent.            |
| <b>Odour threshold:</b>                                   | Not available                          |
| <b>pH :</b>   | 6-8                                    |
| <b>Melting point and freezing point:</b>                  | Approximately -2°C                     |
| <b>Boiling point:</b>                                     | Approximately 76-100 °C                |
| <b>Flash point:</b>                                       | Greater than 60°C.                     |
| <b>Evaporation rate (n-BuAc =1):</b>                      | Approximately 0.4-1.5                  |
| <b>Flammability (solids, gases):</b>                      | Not applicable for liquids             |
| <b>Lower flammable limit (% by volume):</b>               | Not available                          |
| <b>Upper flammable limit (% by volume):</b>               | Not available.                         |
| <b>Explosion data - Sensitivity to mechanical impact:</b> | Not available                          |
| <b>Explosion data - Sensitivity to static discharge:</b>  | Not available                          |
| <b>Vapour pressure (mm Hg)</b>                            | 6 kPa for the most volatile ingredient |
| <b>Vapour density:</b>                                    | 1.59 for the most volatile ingredient  |
| <b>Specific gravity or density (water = 1 at 4 °C):</b>   | 1.0 g/cm <sup>3</sup> @ 20 °C          |
| <b>Solubility in water:</b>                               | Miscible                               |
| <b>Partition coefficient – n-octanol/water:</b>           | Not available                          |
| <b>Auto-ignition temperature:</b>                         | Not available                          |
| <b>Decomposition temperature</b>                          | Not available                          |
| <b>Viscosity:</b>   | <10 cps @ 25 °C                        |

## SECTION 10 - STABILITY AND REACTIVITY

**10a Reactivity:**

Not applicable when used as directed.

**10b Chemical stability :**

Stable at room temperature, in normal handling and storage conditions.

**10c Possibility of hazardous reactions:**

No polymerisation

**10d Conditions to avoid:**

Eliminate all sources of ignition (open flames, sparks, cigarettes, etc). Avoid accumulation of vapours in low-lying areas or in confined spaces.

**10e Incompatible materials**

Strong oxidizers.

**10f Hazardous decomposition products:**

With oxidizers: oxides of carbon and other toxic or irritant gases. Possibility of a fire.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Acute toxicity**

**Eye:** Causes irritation, redness, tears, burning sensation.

**Skin:** May cause irritation.

**Inhalation:** Deliberate breathing of vapours from product may cause irritation of respiratory tract.

**Ingestion:** Harmful.

**Carcinogenicity:**

No ingredient listed by IARC as a possible carcinogen.

**Teratogenicity, mutagenicity, other reproductive effects:**

Not available

**Skin sensitization:**

No ingredients at or above 0.1% in product is a skin sensitizer.

**Respiratory tract sensitization:**

Not available

**Synergistic materials:** Not available  
**Other important hazards:** Not available

**Toxicological data:** The calculated LD<sub>50</sub> for this product is greater than 19,000 mg/Kg, oral, rat; our products are not tested on animals.

| Ingredient                       | LD <sub>50</sub> (route, species)                         | LC <sub>50</sub> # hours (species) |
|----------------------------------|---|------------------------------------|
| Ethanol                          | 10,470 mg/kg (oral, rat)<br>15,800 mg/kg (dermal, rabbit) | 124.7 mg/L, 4H, rat                |
| Sodium (C14-16) olefin sulfonate | 1,850 mg/Kg (oral, rat)<br>2,000 mg/kg (dermal, rabbit)   | Not available                      |
| Ethoxylated alcohol              | 2,000 mg/kg (oral, rat)<br>900 mg/kg (dermal, rabbit)     | Not available                      |

For more details, refer to Section 3.

**SECTION 12 - ECOLOGICAL INFORMATION**

**12a Ecotoxicity :**

| TOXICITY (Fish)                  | Results                      | Exposure time | Method        |
|----------------------------------|------------------------------|---------------|---------------|
| Ethanol                          | Rainbow trout<br>13,000 mg/L | 96H           | Not available |
| Sodium (C14-16) olefin sulfonate | Rainbow trout<br>1.7 mg/L    | 96H           | Not available |
| Ethoxylated alcohol              | Bluegill<br>2.1 mg/L         | 96H           | Not available |

| TOXICITY (Daphnia)               | Results                                | Exposure time | Method        |
|----------------------------------|--|---------------|---------------|
| Ethanol                          | Deriodaphania dubai<br>LC50 5,012 mg/L | 48H           | Not available |
| Sodium (C14-16) olefin sulfonate | 16.6 mg/L                              | 48H           | Not available |
| Ethoxylated alcohol              | 1.9 mg/L                               | 48H           | Not available |

| TOXICITY (Algae)                 | Results                                | Exposure time | Method        |
|----------------------------------|--|---------------|---------------|
| Ethanol                          | Cholerra vulgaris,<br>EC50 275 mg/L    | 72H           | Not available |
| Sodium (C14-16) olefin sulfonate | Cholerra vulgaris,<br>EC50 16.6 mg/L   | 72H           | Not available |
| Ethoxylated alcohol              | Selenastrum capricornutum,<br>0.7 mg/L | 72H           | Not available |

**12b Persistence and degradability:** Readily biodegradable

**12c Bioaccumulation potential:** Very low.

**12d Mobility in soil:** There is no test data on this product.

**12e Other adverse effect** No applicable information found

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Eliminate according to federal, provincial and local regulations.

**SECTION 14 - TRANSPORTATION INFORMATION**

**Transportation of Dangerous Goods (TDG) in Canada :**

|                        |                |
|------------------------|----------------|
| UN number              | Not regulated  |
| Proper shipping name:  | Not applicable |
| Class:                 | Not applicable |
| Identification number: | Not applicable |
| Packing group:         | Not applicable |
| Special case:          | Not applicable |

**SECTION 15 - REGULATORY INFORMATION**

**In Canada**

**WHMIS information:**

**WHMIS Classification:** See section 2a.

**CEPA information:** Ingredients are listed on the DSL inventory.

**SECTION 16 - OTHER INFORMATION**

**Date of latest revision** 2017-11-08

**References:**

1. Manufacturer'/suppliers' MSDS.
2. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2006.
3. International Agency for Research on Cancer Monographs, searched 2006.
4. The European Chemicals Agency (ECHA) website.

**Abbreviations:**

|       |   |
|-------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| CAS   | Chemical Abstract Service                                 |
| CEPA  | Canadian Environmental Protection Act                     |
| cps   | Centipoises   |
| DSL   | Domestic Substance List                                   |
| HMIS  | Hazardous Material Information System                     |
| IARC  | International Agency for Research on Cancer               |
| LC    | Lethal concentration                                      |
| LD    | Lethal Dosage   |
| N/Av  | Not available   |
| N/Ap  | Not Applicable  |
| NFPA  | National Fire Protection Association                      |
| NIOSH | National Institute for Occupational Safety and Health     |
| NTP   | National Toxicology Program (U.S.A.)                      |
| OSHA  | Occupational Safety and Health Administration (U.S.A.)    |
| PEL   | Permissible Exposure Limit                                |
| TLV   | Threshold Limit Value                                     |
| WHMIS | Workplace Hazardous Materials Information System          |

End of the MSDS