

SECTION 1 - IDENTIFICATION

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

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

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 Eye irritation, category 2 Skin irritation, category 2
Ethoxylated alcohol	68131-39-5	1-5	Eye irritation, category 2 Skin irritation, category 2

SECTION 4 - FIRST AID MEASURES

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.

SECTION 5 - FIRE FIGHTING MEASURES

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

Appearance and odour:	Clear liquid, floral scent.
Odour threshold:	Not available
pH :	6-8
Melting point and freezing point:	Approximately -2°C
Boiling point:	Approximately 76-100 °C
Flash point:	Greater than 60°C.
Evaporation rate (n-BuAc =1):	Approximately 0.4-1.5
Flammability (solids, gases):	Not applicable for liquids
Lower flammable limit (% by volume):	Not available
Upper flammable limit (% by volume):	Not available.
Explosion data - Sensitivity to mechanical impact:	Not available
Explosion data - Sensitivity to static discharge:	Not available
Vapour pressure (mm Hg)	6 kPa for the most volatile ingredient
Vapour density:	1.59 for the most volatile ingredient
Specific gravity or density (water = 1 at 4 °C):	1.0 g/cm ³ @ 20 °C
Solubility in water:	Miscible
Partition coefficient – n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature	Not available
Viscosity:	<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 LD₅₀ for this product is greater than 19,000 mg/Kg, oral, rat; our products are not tested on animals.

Ingredient	LD ₅₀ (route, species)	LC ₅₀ # hours (species)
Ethanol	10,470 mg/kg (oral, rat) 15,800 mg/kg (dermal, rabbit)	124.7 mg/L, 4H, rat
Sodium (C14-16) olefin sulfonate	1,850 mg/Kg (oral, rat) 2,000 mg/kg (dermal, rabbit)	Not available
Ethoxylated alcohol	2,000 mg/kg (oral, rat) 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 13,000 mg/L	96H	Not available
Sodium (C14-16) olefin sulfonate	Rainbow trout 1.7 mg/L	96H	Not available
Ethoxylated alcohol	Bluegill 2.1 mg/L	96H	Not available

TOXICITY (Daphnia)	Results	Exposure time	Method
Ethanol	Deriodaphania dubai 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
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Ethanol	Cholerra vulgaris, EC50 275 mg/L	72H	Not available
Sodium (C14-16) olefin sulfonate	Cholerra vulgaris, EC50 16.6 mg/L	72H	Not available
Ethoxylated alcohol	Selenastrum capricornutum, 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 2015-12-18

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