SECTION 1 - IDENTIFICATION

Product identifier/Trade name: SAFEBLEND ODOUR COUNTERACTANT FLORAL, CONCENTRATED

Other means of identification: OCGE

Recommended use: Deodorizer and odour neutralizer, concentrated.

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

The actual concentrations are withheld as a trade secret.

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 people 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 is 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. The 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 forSafe 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 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

Physical state	Clear liquid.
Colour	Colorless
Odour	Floral scent
Melting point and freezing point	Approximately -2°C
Boiling point:	Approximately 76-100 °C
Flammability	N/A
Lower and upper flammability limit	N/A
Flash point	Greater than 60°C
Auto-ignition temperature	N/A
Decomposition temperature	N/A
pH	6-8
Viscosity:	<10 cps @ 25 °C
Solubility in water:	Miscible
Partition coefficient – n-octanol/water	N/A
Vapour pressure (mm Hg)	6 kPa for the most volatile ingredient
Specific gravity or density (water = 1 at 4 °C):	1.0 g/cm^3@ 20 °C
Relative vapour density	1.59 for the most volatile ingredient
Particle characteristics	N/A

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_{50} 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 (Algea)	**Results**	**Exposure time**	**Method**
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.
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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:

	Not regulated
UN number	Not applicable
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 2023-06-13

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