

SECTION 1 - IDENTIFICATION

Product identifier/Trade name: SAFEBLEND CONCENTRATED LAUNDRY DETERGENT, HE, Floral scent

Other means of identification: LEFR

Recommended use: Laundry Detergent HE

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 WHMIS 2015 - GHS (Globally Harmonized System) classification

This product is classified as a skin irritant category 2 and an eye irritant category 2

2b Label elements



Pictogram

Precautionary statement

Wash hands thoroughly after handling. Wear eye protection. Wear rubber gloves.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice.

IF ON SKIN: Wash with plenty water. If skin irritation occurs: get medical advice. Take off contaminated clothing and wash it before reuse.

Signal word:

Warning.

Hazard statement

Causes serious eye irritation. Causes skin irritation.

| |
|---|
| SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS |
|---|

| Ingredients | CAS # | % (weight) | GHS CLASSIFICATION |
|-----------------------------------|------------|------------|--|
| Ethoxylated alcohol | 68131-39-5 | 1-5 | Eye irritation, category 2 Skin irritation, category 2 |
| Sodium lauryl sulfate | 151-21-3 | 1-5 | Acute oral toxicity, category 4 Eye irritation, category 2 Skin irritation, category 2 |
| Sodium laureth sulfate | 68585-34-2 | 1-5 | Eye irritation, category 2 Skin irritation, category 2 |
| Potassium cocoate | 61789-30-8 | 1-5 | Skin irritation, category 2 |
| Potassium dodecylbenzenesulfonate | 27177-77-1 | 1-5 | Acute oral toxicity, category 4 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:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice.

Skin contact:

Wash with plenty water. If skin irritation occurs: get medical advice. Take off contaminated clothing and wash it before reuse.

Inhalation:

No effect expected.

Ingestion:

Rinse mouth. Call a doctor if you feel unwell. Never give anything by mouth if the person is unconscious

4b Most important symptoms and effects

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

Skin: May cause irritation.

Inhalation: No effect expected.

Ingestion: May cause slight irritation, headache, abdominal pain, diarrhoea, nausea and vomiting.

4c Immediate medical attention and special treatment needed

No special treatment

| |
|---|
| SECTION 5 - FIRE FIGHTING MEASURES |
|---|

5a Extinguishing media

Suitable extinguishing media:

Water (if possible avoid powerful sprays), foam, dry chemicals, carbon dioxide. Product itself is not flammable.

Unsuitable extinguishing media:

None known.

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.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6a Personal precautions, protective equipment and emergency procedures

Personal protection:

Avoid contact with eyes and skin. Use adequate aeration and ventilation. Floor will be slippery in case of a spill. Use

appropriate personal protection equipment (see section 8)

6b Methods and materials for containment and cleaning:

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:

Product is biodegradable. 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. When used as directed, no special precautions.

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.

No incompatibility with most materials found in most workplaces.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

8a Control parameters

| | Ontario Time-weighted Average Limit (TWA) | Ontario Short-Term Exposure Limit (STEL) | Notations |
|--|---|--|-----------|
| | None established | None established | |

8b Engineering controls:

Not required under normal applications.

8c Individual protection measures

Respiratory Protection:

Not required under normal applications.

Skin protection and other protective equipment:

Waterproof boots for large spills. Rubber gloves in case of possible contact.

Eye / face protection:

Not required under normal applications. In case of possible contact, safety glasses.

General hygiene considerations:

KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes and skin. 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: | Colourless liquid, floral scent. |
| Odour threshold: | N/Av |
| pH : | 8.8-10 |
| Melting point and freezing point: | Approximately 0 °C |
| Boiling point: | Approximately 100 °C |
| Flash point: | None to boil |
| Evaporation rate (n-BuAc =1): | Approximately 0.4 (water) |
| Lower flammable limit (% by volume): | N/Av |
| Upper flammable limit (% by volume): | N/Av. |
| Explosion data - Sensitivity to mechanical impact: | Not sensitive |
| Explosion data - Sensitivity to static discharge: | Not sensitive |
| Vapour pressure (mm Hg) | Approximately 20 (water) |
| Vapour density: | Approximately 0.6 (water) |
| Specific gravity or density (water = 1 at 4 °C): | Approximately 1.05 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: | 150-300 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:

May react with strong acids and strong oxidizing agents.

10d Conditions to avoid:

Avoid contact with strong acids and oxidizers.

10e Incompatible materials

Strong acids and oxidizers

10f Hazardous decomposition products:

With strong oxidizers: carbon oxides. With strong acids: heat, water vapour.

SECTION 11 - TOXICOLOGICAL INFORMATION

Primary entry route(s): Eye and ingestion.

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

Skin: May cause irritation.

Inhalation: No effect expected.

Ingestion: May cause slight irritation, headache, abdominal pain, diarrhoea, nausea and vomiting.

Carcinogenicity:

No ingredients classified as carcinogenic.

Teratogenicity, mutagenicity, other reproductive effects:

No ingredients classified as such.

Skin sensitization:

No ingredients classified as sensitizing

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 12,000 mg/Kg, oral, rat; our products are not tested on animals.

| Ingredient | LD ₅₀ (route, species) | LC ₅₀ # hours (species) |
|-----------------------------------|---|------------------------------------|
| Ethoxylated alcohol | >2,000 mg/Kg (oral, rat) >2,000 mg/Kg (dermal, rabbit) | N/AV. |
| Sodium lauryl sulfate | | N/AV. |
| Sodium laureth sulfate | 5,000 mg/Kg (oral, rat) 2,000 mg/Kg (dermal, rabbit) | N/AV. |
| Potassium cocoate | >2,000 mg/Kg (oral, rat) >5,000 mg/Kg (dermal, rabbit) | N/AV. |
| Potassium dodecylbenzenesulfonate | >2,000 mg/Kg (oral, rat) >2,000 mg/Kg (dermal, rabbit) | N/AV. |

For more details, refer to Section 3.

SECTION 12 - ECOLOGICAL INFORMATION

12a Ecotoxicity :

| TOXICITY (Fish) | Results | Exposure time | Method |
|-----------------------------------|------------------------|---------------|--------|
| Ethoxylated alcohol | Bluegill 2.1 mg/L | 96H | N/AV. |
| Sodium lauryl sulfate | Trout 3.6 mg/L | 96H | N/AV. |
| Sodium laureth sulfate | Trout 28 mg/L | 96H | N/AV. |
| Potassium cocoate | Trout 42 mg/L | 96H | N/AV. |
| Potassium dodecylbenzenesulfonate | Bluegill 1.18-6.5 mg/L | 96H | N/AV. |

| TOXICITY (Daphnia) | Results | Exposure time | Method |
|-----------------------------------|----------------|---------------|--------|
| Ethoxylated alcohol | 1.9 mg/L | 48H | N/AV. |
| Sodium lauryl sulfate | EC50 1.35 mg/l | 24H | N/AV. |
| Sodium laureth sulfate | 1.17 mg/L | 96H | N/AV. |
| Potassium cocoate | 48 mg/L | 24H | N/AV. |
| Potassium dodecylbenzenesulfonate | LC50 6.9 mg/L | 24H | N/AV. |

| TOXICITY (Algae) | Results | Exposure time | Method |
|-----------------------|---|---------------|--------|
| Ethoxylated alcohol | <i>Selenastrum capricornutum</i> 0,7 mg/L | 72H | N/AV. |
| Sodium lauryl sulfate | <i>Selenastrum capricornutum</i> EC50 3.75 mg/l | 192H | N/AV. |

| | | | |
|-----------------------------------|--|-----|-------|
| Sodium laureth sulfate | <i>Selenastrum capricornutum</i> 32 mg/L | 72H | N/AV. |
| Potassium cocoate | <i>Scenedesmus subspicatus</i> 53 mg/L | 72H | N/AV. |
| Potassium dodecylbenzenesulfonate | <i>Pediastrum boryanum</i> LC50 50-100 mg/L | 72H | N/AV. |

12b Persistence and degradability: Product is expected to be readily biodegradable as per OECD 301.

12c Bioaccumulation potential: Not available

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:

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and this safety data sheet (SDS) contains all the information required by the HPR.

WHMIS 2015 Classification: See section 2a

CEPA information: Ingredients are listed on the DSL inventory.

SECTION 16 - OTHER INFORMATION

Date of latest revision: 2018-03-29

References:

1. Manufacturer'/suppliers' MSDS.
2. Occupational Exposure Limits for Ontario Workplaces required under Regulation 833
3. International Agency for Research on Cancer Monographs
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