SECTION 1 - IDENTIFICATION

Product identifier/Trade name: SAFEBLEND NEUTRAL CLEANER, TANGERINE OIL

Other means of identification: NCTO

Recommended use: Neutral cleaner for floors and all washable surfaces

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 not classified as dangerous as per GHS criteria.

2b Label elements
None as per GHS

Precautionary statement
None as per GHS

Signal word:
None as per GHS

Hazard statement
None as per GHS
SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>% (weight)</th>
<th>GHS CLASSIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethoxylated alcohol</td>
<td>68213-23-0</td>
<td>1-5</td>
<td>Eye irritation, category 2</td>
</tr>
</tbody>
</table>

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 irritation persists, get medical advice.

Skin contact: Rinse with water.

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 slight irritation, redness, tears, burning sensation.

Skin: No effect expected.

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 jets), 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, nitrogen 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. Floor will be slippery in case of a spill. In case of possible eye contact, safety glasses are suggested.

**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. When used as directed, no special precautions. Wash hand after handling.

**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

<table>
<thead>
<tr>
<th>Ethoxylated alcohol</th>
<th>Ontario Time-weighted Average Limit (TWA)</th>
<th>Ontario Short-Term Exposure Limit (STEL)</th>
<th>Notations</th>
</tr>
</thead>
</table>

**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.

Eye / face protection:
Not required under normal applications. In case of possible eye contact, safety glasses are advised.

General hygiene considerations:
KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes. Never eat, drink, or smoke in work areas.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and odour:**
Colourless to yellow liquid, tangerine oil odour.

**Odour threshold:**
N/Av

**pH:**
6.5-7.5

**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): 1.0 g/cm³ @ 20 °C
Solubility in water: Miscible
Partition coefficient – n-octanol/water: Not available
Auto-ignition temperature: Not available
 Decomposition temperature Not available
Viscosity: <100 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:
   None known.

10d Conditions to avoid:
   None known when used as directed

10e Incompatible materials
   None known when used as directed

10f Hazardous decomposition products:
   Oxides of carbon, nitrogen and other irritating gases.

SECTION 11 - TOXICOLOGICAL INFORMATION

Primary entry route(s): Eye and ingestion.
Eye: May cause irritation, redness, tears, burning sensation.
Skin: Not applicable
Inhalation: No effect expected.
Ingestion: May cause slight irritation, headache, abdominal pain, diarrhoea, nausea and vomiting.

Carcinogenicity: No ingredient listed by IARC as a possible carcinogen.
Teratogenicity, mutagenicity, other reproductive effects: Mutagenic tests have been negative for ingredients
Skin sensitization: Ingredients not sensitizing as per OECD 406
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 10,000 mg/Kg, oral, rat; our products are not tested on animals.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LD₅₀ (route, species)</th>
<th>LC₅₀ # hours (species)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethoxylated alcohol</td>
<td>&gt;2,200 mg/kg (oral, rat)</td>
<td>N/Av</td>
</tr>
</tbody>
</table>

For more details, refer to Section 3.

SECTION 12 - ECOLOGICAL INFORMATION

12a Ecotoxicity:

<table>
<thead>
<tr>
<th>TOXICITY (Fish)</th>
<th>Results</th>
<th>Exposure time</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethoxylated alcohol</td>
<td>NOT AVAILABLE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TOXICITY (Daphnia)</th>
<th>Results</th>
<th>Exposure time</th>
<th>Method</th>
</tr>
</thead>
</table>
Ethoxylated alcohol | NOT AVAILABLE |  
|---------------------|----------------|

**TOXICITY (Algae)** | **Results** | **Exposure time** | **Method**  
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethoxylated alcohol</td>
<td>NOT AVAILABLE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
  
**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.  
For additional information, at the federal level, see [http://www.ec.gc.ca/gdd-mw/default.asp?lang=En&n=39D0D04A-1](http://www.ec.gc.ca/gdd-mw/default.asp?lang=En&n=39D0D04A-1)  
In B.C., see [http://www2.gov.bc.ca/gov/topic.page?id=DC31CEF84F634025839C66F7F80164E8](http://www2.gov.bc.ca/gov/topic.page?id=DC31CEF84F634025839C66F7F80164E8)  
In New Brunswick, see [http://breaudisposal.nb.ca/breaudisposal/prohibited_waste.htm](http://breaudisposal.nb.ca/breaudisposal/prohibited_waste.htm)  
Material Safety Data Sheet: SAFEBLEND DISH DETERGENT  
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In Northwest territories, see [http://www.enr.gov.nt.ca/programs/hazardous-waste](http://www.enr.gov.nt.ca/programs/hazardous-waste)  
In Nova Scotia, see [http://novascotia.ca/novascotia.ca/snsmt/naa/nse/paal180.asp](http://novascotia.ca/novascotia.ca/snsmt/naa/nse/paal180.asp)  
In Nunavut, see [http://www.nmto.ca/course/other-training/hazardous-waste-management](http://www.nmto.ca/course/other-training/hazardous-waste-management)  
In PEI, see [http://www.gov.pe.ca/environment/hazardous-waste](http://www.gov.pe.ca/environment/hazardous-waste)  
In Quebec, see [http://www.mddlc.gouv.qc.ca/matieres/dangereux/](http://www.mddlc.gouv.qc.ca/matieres/dangereux/)  

**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 Classification: See section 2a

CEPA information: Ingredients are listed on the DSL inventory.

SECTION 16 - OTHER INFORMATION

Date of latest revision 2017-11-03

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
cpys 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
NIOH 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