SECTION 1 - IDENTIFICATION

Product identifier/Trade name: OXY-BLEND CLEANER AND STAIN REMOVER, Tangerine oil

Other means of identification: XCTO

Recommended use: CLEANER AND STAIN REMOVER

Restriction on use: For industrial, institutional and food plants use only.

Initial supplier identifier: Chemotec (PM) Inc.
5800 ONTARIO E.
MONTRÉAL, QC H1N 0A2
Phone: (514) 729-6321; 1-800-729-6321

Emergency phone number: 1-800-729-6321
(Available from 8:00am to 4:30pm Monday to Friday)

SECTION 2 - HAZARDS IDENTIFICATION

2a WHMIS 2015 - GHS (Globally Harmonized System) classification
This product is not classified.

2b Label elements: None

Precautionary statement:

Signal word:

Hazard statement:

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (weight)	GHS CLASSIFICATION
Sodium linear alkylbenzene sulfonate	68081-81-2	1-5	Acute toxicity oral and skin contact, category 4 Eye irritation, category 2
Hydrogen peroxide	70161-44-3	1-5	At this concentration, not classified
Ethoxylated alcohol	68991-48-0	4-7	Eye 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:
Flush or rinse eyes with water after contact. If eye irritation persists, get medical advice.

Skin contact:
Rinse thoroughly with water. If irritation occurs, get medical advice.

Inhalation:
Take the person out into the fresh air.

Ingestion:
Rinse mouth with water. 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. Contact with product may whiten skin for a few minutes.
Inhalation: Over-exposure by inhalation may cause respiratory irritation.
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, but it can generate oxygen when decomposing.
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. 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. 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
Hydrogen peroxide	1 ppm	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:
In case of possible contact, wear rubber gloves. Waterproof boots for large spills.

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

General hygiene considerations:
KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes. 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	Liquid.
Colour	Colorless
Odour	Tangerine scent
Melting point and freezing point	Approximately 0 °C
Boiling point:	Approximately 100 °C
Flammability	N/A
Lower and upper flammability limit	N/A
Flash point	None to boil
Auto-ignition temperature	N/A
Decomposition temperature	N/A
pH	Approximately 5
Viscosity:	<100 cps @ 24 °C
Solubility in water:	Miscible
Partition coefficient – n-octanol/water	N/A
Vapour pressure (mm Hg)	Approximately 20 (water)
Specific gravity or density (water = 1 at 4 °C):	1.0 g/cm^3@ 20 °C
Relative vapour density	Approximately 0.6 (water)
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:
May react with strong alkalis and strong reducing agents.

10d Conditions to avoid:
Avoid contact with strong alkalis and strong reducing agents. Hydrogen Peroxide, a minor component of this product is a strong oxidizer. It is not flammable itself, but it can cause spontaneous combustion of flammable materials and continued support of the combustion because it liberates oxygen as it decomposes.

10e Incompatible materials
Strong alkalis and strong reducing agents.

10f Hazardous decomposition products:
With strong acids: heat, water vapour. With strong reducing agents: water vapour and oxygen.

SECTION 11 - TOXICOLOGICAL INFORMATION

Primary entry route(s): Eye and ingestion.
Eye: May cause irritation, redness, tears, burning sensation.
Skin: May cause irritation. Contact may whiten skin for a few minutes.
Inhalation: Over-exposure by inhalation may cause respiratory irritation.
Ingestion: May cause slight irritation, headache, abdominal pain, diarrhoea, nausea and vomiting.

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

Ingredient	LD_{50} (route, species)	LC_{50} # hours (species)
Sodium linear alkylbenzene sulfonate	>2,000 mg/kg (oral, rat) 1,080 mg/kg (dermal, rabbit)	N/Av
Hydrogen peroxide	694 mg/kg (oral, rat) 2,000 mg/kg (dermal, rabbit)	N/Av
Ethoxylated alcohol	2,000 mg/kg (oral, rat)	N/Av

For more details, refer to Section 3.

SECTION 12 - ECOLOGICAL INFORMATION

12a Ecotoxicity:

TOXICITY (Fish)	Results	Exposure time	Method
Sodium linear alkylbenzene sulfonate	Rainbow trout LC50 3.6 mg/L	96h	N/A
Hydrogen peroxide	Fish: 16.4 mg/L	96H	N/A
Ethoxylated alcohol	Fish: 70.7 mg/L	96H	N/A

TOXICITY (Daphnia)	Results	Exposure time	Method
Sodium linear alkylbenzene sulfonate	EC50: 1.62 mg/L	48H	N/A
Hydrogen peroxide	EC50: 7.7 mg/L	48H	N/A
Ethoxylated alcohol	5.3 mg/L	48H	N/A

TOXICITY (Algae)	Results	Exposure time	Method
Sodium linear alkylbenzene sulfonate	Selenastrum capricornutum EC50 29 mg/L	96H	N/A
Hydrogen peroxide	Selenastrum capricornutum EC50 = 4,05-21,26 mg/L	96H	N/A
Ethoxylated alcohol	Selenastrum capricornutum EC50 = 4,01 mg/L	96H	N/A

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

12c Bioaccumulation potential: Not bio accumulating

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
In Alberta, see http://esrd.alberta.ca/waste/hazardous-waste-management/default.aspx
In B.C., see http://www2.gov.bc.ca/gov/topic.page?id=DC31CEF84F634025839C66F7F80164E8
In Manitoba, see http://www.gov.mb.ca/conservation/eal/haz-waste/faq/index.html
In New-Brunswick, see http://breaudisposal.nb.ca/breaudisposal/prohibited_waste.htm
In NFLD, see http://www.env.gov.nl.ca/env/env_protection/waste/
Material Safety Data Sheet:
In Northwest territories, see http://www.enr.gov.nt.ca/programs/hazardous-waste
In Nova Scotia, see http://novascotia.ca/snsmr/paal/nse/paal180.asp
In Nunavut, see http://www.nmto.ca/course/other-training/hazardous-waste-management
In Ontario, see https://www.ontario.ca/environment-and-energy/hazardous-waste-management-business-and-industry
In PEI, see http://www.gov.pe.ca/environment/hazardous-waste
In Quebec, see http://www.mddelcc.gouv.qc.ca/matieres/dangereux/
In Saskatchewan, see http://www.publications.gov.sk.ca/details.cfm?p=24515
In Yukon, see http://www.env.gov.yk.ca/air-water-waste/special_waste_regs.php

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
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