

Product Code: MSDS392
 Product Name: OXYSMART
 ITEM CODES: OXYSMARTGAL, OXYSMART5GAL, 346706

24-hour Emergency Phone: (800) 535-5053

HMIS CODES H F R P
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DISTRIBUTED BY:
 DAYCON PRODUCTS COMPANY, INC.
 16001 TRADE ZONE AVE.
 UPPER MARLBORO, MD 20774

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component/Exposure Limits	CAS#	% by Wt.
Hydrogen Peroxide OSHA PEL: 1 ppm, 1.4 mg/m3 (90%) - 8 Hr. TWA ACGIH TLV: 1 ppm, 1.4 mg/m3 - 8 Hr. TWA, A3	7722-84-1	Not Regulated
Nonionic/Cationic Surfactant Blend	Proprietary	Not Regulated
D-Limonene	5989-27-5	Not Regulated
Essential Oils (Fragrance)	Mixture	Not Regulated
Citric Acid Total Dust: PEL: 1.5 mg/m3 TLV: 10 mg/m3 Respirable Fraction PEL: 5 mg/m3 Citric Acid is generally regarded as safe, "GRAS", as a general purpose food additive.	77-92-9	Not Regulated

3. HAZARDS IDENTIFICATION

Irritant of the eyes and skin, of the mucous membranes and of the respiratory tract. If swallowed, causes abdominal pain and gastric discomfort. Skin exposure can result in bleaching of the skin and hair. While this material has a low level of toxicity, good industrial hygiene practices are encouraged to minimize exposure.

**Hazard Classification: Skin Cat. 2
 Eye Cat. 2b**

Potential Health Effects

EYE:
 Eye irritant.

SKIN:
 Skin irritant.

INGESTION:
 Very low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not



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likely to cause injury; however, swallowing larger amounts may cause injury. Can cause irritation of the upper gastrointestinal tract with pain and distention of the stomach and esophagus due to liberation of oxygen.

INHALATION:

Harmful if inhaled, dependent on the extent of exposure. Under normal conditions, using adequate ventilation no problems are expected. Excessive inhalation may irritate the mucous membranes and the respiratory tract.

CHRONIC (CANCER) INFORMATION:

Not listed by IARC or NTP as a carcinogen.

TERATOLOGY (BIRTH DEFECT) INFORMATION:

Not classified as a teratogen.

REPRODUCTION INFORMATION:

Does not harm reproductive cells.

4. FIRST AID MEASURES

EYES:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye(s). Call a poison control center or doctor for treatment advice.

SKIN:

Wash with soap and water. Immediately flush skin with water while removing contaminated clothing and shoes. Seek medical attention if irritation persists. Wash clothing before reuse and discard contaminated shoes.

INGESTION:

If swallowed, Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT INDUCE vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice.

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NOTE TO PHYSICIANS:

No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. If swallowed, large amounts of oxygen may be released quickly. The distention of the stomach or esophagus may be injurious. Insertion of a gastric tube may be advisable.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: N/A **Method:** N/A
Greater than 200F. Not flammable.

FLAMMABLE LIMITS:

Lower flammable limit: N/A
Upper flammable limit: N/A

AUTOIGNITION TEMPERATURE:

Not Applicable.

HAZARDOUS COMBUSTION PRODUCTS:

Oxides of carbon.

EXTINGUISHING MEDIA:

Dry chemical, foam, carbon dioxide, water fog. Use water to cool fire-exposed containers and to protect personnel. Water.

FIREFIGHTING INSTRUCTIONS:

Wear appropriate and suitable protective clothing and breathing equipment for the situation. Follow NFPA Fire Protection Guidelines. Strong oxidizer. Will release oxygen, which will increase the explosive limit range and burning rate of flammable vapors. Contact with organic liquids or vapors may cause immediate fire or explosion, especially if heated. Flood with water. Cool container with water spray.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Use appropriate containment to avoid run-off. Keep out of streams, sewers and waterways. Collect free material. Absorb remainder on inert absorbant. Wash area with plenty of water.

LARGE SPILL:

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If possible, clean up spill area on a dry basis and then flush with plenty of water. Absorb liquid with vermiculite, floor absorbent or other absorbent material. Keep out of sewer, streams, ponds, lakes, or other waterways.

7. HANDLING AND STORAGE

HANDLING:

Containers, even those that have been emptied, will retain product residue and vapor and should be handled as if they were full. Do not eat, drink or smoke in areas where this material is used. After handling, always wash hands thoroughly with soap and water. Do not handle near heat, sparks or flames. Use only with adequate ventilation/ personal protection. Avoid contact with eyes, skin or clothing.

STORAGE:

Keep containers covered. Avoid eye and prolonged skin contact. Do not store near heat, sparks, flame or strong oxidants. Take the usual chemicals handling precautions. Handle and use in a manner consistent with good industrial techniques and practices.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use local and general exhaust ventilation to effectively remove and prevent buildup of mist/vapors/fumes generated from handling this product.

RESPIRATORY PROTECTION:

None Normally Needed. If irritation is experienced, a NIOSH-approved respirator should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposure. Respiratory protection may be needed for non-routine or emergency situations.

SKIN PROTECTION:

Wear impervious gloves, safety apron, and clothing if there is a chance of skin contact with product.

EYE PROTECTION:

Chemical splash goggles with side shields recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 177 C
MELTING POINT: Not applicable.
VAPOR PRESSURE: NO INFORMATION AVAILABLE.
VAPOR DENSITY: (Air=1): >1

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SOLUBILITY IN WATER: Emulsifies Soluble
SPECIFIC GRAVITY: 1.02
pH: Buffered to below 5.0.
ODOR: Citrus.
APPEARANCE: Clear colorless liquid.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID):

Unstable with heat and contamination; liberation of oxygen gas may result in pressure build up in containers.

INCOMPATIBILITY:

Oxidizers, reducers, heat, alkalies, acids, disinfectants, and bleach. Most flammables/combustibles, cyanides, nitric acid, potassium permanganate, and other oxidizing and reducing agents. Mixtures with both organics and some acids may be especially reactive.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon, may be emitted if product burns. Oxides of carbon and phosphorous. Phosphorous compounds.

HAZARDOUS POLYMERIZATION:

Will not occur.

11. TOXICOLOGICAL INFORMATION

EYE:

Primary irritant.

SKIN:

Direct contact may cause irritation.

INGESTION:

Severely irritating.

INHALATION:

Exposure to oil mists/vapors/fumes may cause respiratory tract irritation. Inhalation of mists/vapors/fumes generated by heating this product may cause respiratory tract irritation with throat discomfort, coughing and difficulty breathing.

SUBCHRONIC:

All components of this product are listed on the U. S. TOXIC SUBSTANCE CONTROL ACT (TSCA) Inventory or exemption has

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been granted in accordance with 40 CFR 723.50.

CHRONIC/CARCINOGENICITY:

Not classified as a carcinogen.

TERATOLOGY:

Not a teratogen.

REPRODUCTION:

Not expected to effect human reproduction.

MUTAGENICITY:

Not mutagenic.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

This material is highly soluble in water. It should exhibit low toxicity to aquatic organisms.

CHEMICAL FATE INFORMATION:

Not classified as a marine pollutant.

13. DISPOSAL CONSIDERATIONS

Dispose of according to current and applicable Local, State and Federal Laws and Regulations by a licensed disposal agent.

Dispose empty containers in accordance with applicable regulations.

14. TRANSPORT INFORMATION (Not meant to be all inclusive)

Not regulated.

15. REGULATORY INFORMATION: (Not meant to be all inclusive - selected regulations represent

U.S. FEDERAL REGULATIONS:

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) 29 CFR 1910.1200

OSHA:

HAZCOM STANDARD

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CERCLA: SARA HAZARD CATEGORY:

One or more ingredients in this product have acute, reactive, and pressure hazards. One or more ingredients in this product have an immediate health hazard.

SECTION 313:

Not Regulated.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS:

NO INFORMATION AVAILABLE.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):

NO INFORMATION AVAILABLE.

EINECS:

NO INFORMATION AVAILABLE.

STATE REGULATIONS:

NO INFORMATION AVAILABLE.

VOLATILE ORGANIC COMPOUNDS:

NO INFORMATION AVAILABLE.

16. OTHER INFORMATION

SDS Status:

Compliant with OSHA's new GHS safety data sheet (SDS).

Information in this Safety Data Sheet (SDS) is based on sources other than direct test data and is given in good faith. No warranty is expressed or implied. We believe that the information is current as of the date of this SDS. The use of this information, the conditions, the methods of handling, storage, use and disposal of the product are not within the control of DAYCON PRODUCTS COMPANY, INC., therefore it is the user's responsibility and obligation to determine the conditions of the safe use of this product and to ensure that its activities comply with all laws and regulations.