

MSDS PC

X-O Plus Odor Neutralizer Concentrate

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MATERIAL SAFETY DATA SHEET
Reviewed, NO CHANGES, April 2009

Section 01 - Identification

MSDS #02 Reviewed date 04/09 CONCENTRATED X-O PLUS + Odor Neutralizer/Cleaner;
Domestic Trade Names Same.

Water (CAS# 7732-18-5): 92.28%	Surfactant: 3.5% Alkyl polyglycoside (CAS# 110615-47-9): 50.00% Water (CAS# 7732-18-5): 50.00%
Proprietary essential oils compound HS: 3.5% The specific chemical identities of the ingredients of this compound are considered by X-O Corporation to be trade secrets and are withheld in accordance with the provision of 1910.1200 of title 29 of the code of Federal Regulations	Quaternary Ammonium Compound: 0.72% Cetylpyridinium Chloride (CAS# 6004-24-6)

Section 2 - Physical & Health Hazard Ingredients - None Known

Section 3 - Physical & Chemical Characteristics Boiling Point: 100°C. Vapor Pressure: Not volatile. Vapor Density (air = 1) Not volatile. Water Solubility: Soluble Melting/Freezing Point: -10 degree C. Appearance: Milk like, white tinted. Color-opaque white. Viscosity: Less than 100-cps spindle 3; Specific Gravity. (H2O = 1): 1; pH of Solution: Range 7; Odor: Floral Aromatic

Section 4 - Physical Hazard Data Flash Point: None Flammable Limits: Non-Flammable. Fire Fighting Media: Use media proper to primary cause of fire. Special Fire Fighting Procedure: None known. Fire/Explosion Hazard: None known

Section 5 - Reactivity Data Stability: Stable. Hazardous Polymerization: Will not occur. Conditions to Avoid: None known. Incompatible Materials: Strong oxidizing or reducing agents. Hazardous Decomposition Products: None known

Section 6 - Health Hazard Data Acute Toxicity: (EPA, FIFRA, and OCED Guidelines 401, 403, 404 & 405).

Oral Toxicity: Toxicity category **IV** for oral LD 50. **Dermal Toxicity:** Toxicity category **IV** for skin effects.

Inhalation Toxicity: Toxicity category **IV** for inhalation LC50. **Eye Irritations:** Maximum mean irritation score of 4.0/110.0 in unwashed eyes, classifying the product in toxicity category **III**.

EPA-FIFRA Irritation test toxicity ratings:

Toxicity Category	Signal Word	Indicators
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I	Danger	Corrosive (irreversible destruction ocular tissue) or corneal involvement of irritation persisting for more than 21 days.
II	Warning	Corneal involvement of irritation clearing in 21 days or less.
III	Caution	Corneal involvement of irritation clearing in 7 days or less.
IV	Caution	Minimal effects clearing in less than 24 hours.

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DOT Corrosive: No. Primary Route(s) of entry: Absorption/Contact

Signs & Symptoms of Exposure:

Symptoms of Ingestion: No effects of exposure expected.

Symptoms of Inhalation: No effects of exposure through spray application .

Expected: minor reversible irritation of mucous membranes through heavy fog application.

Symptoms of Skin Contact: No effects of exposure expected.

Symptoms of Eye Contact: No effects of exposures expected in normal use.

Emergency First Aid Procedures:

First Aid for Ingestion: General precautionary measures suggest giving several glasses of water. Do not give anything to an unconscious or convulsing person. In case of continued discomfort, consult your physician.

First Aid for Inhalation: Remove to fresh air. If breathing is difficult, look for primary cause of breathing problem. (X-O is nontoxic). Oxygen may be given, preferably with a physician's advice. If not breathing, give mouth-to-mouth artificial respiration. Get medical attention.

First Aid for Skin Contact: For all foreign materials, wash after exposure.

First Aid for Eye Contact: Immediately flush eyes copiously with water. If irritation persists, call a physician.

Medical conditions aggravated by exposure: No data found. Possible aggravation in chronic dermal and asthmatic conditions. Possible aggravation to chronic allergenics.

Other Acute Toxicity: None Known.

Section 07 - Occupational Control Procedures

Ventilation: Use adequate ventilation where drums or tank wagons are being opened. Local exhaust: None should be needed. Respiratory Protection: In routine operation, none needed with good ventilation. Use NIOSH-approved respirator, if adequate ventilation cannot be provided.

Eye Protection: Normal spray application - none needed. During fogging operations at dilution rate 32 to 1 or over - none required. Skin Protection: None required

Section 08 - Precautions during Storage and Use

Store in a warm warehouse. Avoid storing below 32 degrees F or above 120 degrees F. Keep container sealed.

Spill/Leak, Clean-up procedure: Flush spill area with water (Dispose of liquid waste according to Federal, State, and local regulations).

Other Precautions: Avoid deodorizing enclosed environments where flammable/explosive (natural gas, LPG methane, petroleum fuels) toxic and carcinogenic substances are, or could be present. Do not use X-O Products with toxic or dangerous materials, where odor of such materials is the only warning of their presence.

Section 9 - Transportation Data

DOT shipping name/hazard class: Not regulated.

Hazardous Ingredients(s): None

X-O Corporation makes no warranty, expressed or implied, as to the accuracy, completeness or reliability of information herein except that such information is, to the best of our knowledge and belief, accurate as of the date indicated.

By the standards of the EPA, FIFRA, OECD, DOT and the States of California and New Jersey, X-O Odor Neutralizers are considered Non-Toxic and Non-Hazardous.