

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

078689906

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

078694624 078694632

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

078019548 078694608

# MSDS PC

## **X-O Plus Odor Neutralizer Concentrate**

**X-O Corporation**  
**8311 Eastpoint Dr., Suite 100**  
**Dallas, Texas 75227**  
**1-800-442-9696**

### **MATERIAL SAFETY DATA SHEET** Reviewed, NO CHANGES, April 15, 2012

#### **Section 01 - Identification**

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

<b>Water</b> (CAS# 7732-18-5):	<b>92.28%</b>	<b>Surfactant:</b> <b>3.5%</b> Alkyl polyglycoside (CAS# 110615-47-9): 50.00% Water (CAS# 7732-18-5): 50.00%
<b>Proprietary essential oils compound HS:</b> <b>3.5%</b> 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		<b>Quaternary Ammonium Compound:</b> <b>0.72%</b> 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.

# MSDS PC

Continued....

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.

# SAFETY DATA SHEET

X-O CORPORATION

ISSUED 07-15-2015

## 1. Identification

### Product Identifiers

**XOXR** X-O Odor Neutralizer (Ready to Use); **XOPR** X-O Plus Odor Neutralizer and Cleaner; **XOXC** Concentrated X-O Odor Neutralizer; **XOPC** Concentrated X-O Plus Odor Neutralizer and Cleaner

### Product Code(s)

XOXR; XOPR; XOXC; XOPC

### Recommended use

Odor control and cleaning

### Recommended restrictions

None known

### Manufacturer Company name

X-O Corporation, 8311 Eastpoint Drive, Suite 100, Dallas, Texas 75227 United States of America

### Telephone

+1 214 388 5590 FAX +1 214 388 7140

### E-mail

Not available

### Emergency phone number

+1 800 442 9696

## 2. Hazard(s) identification

**Physical hazards** Not classified

**Health hazards** Not classified

**Environmental hazards** Not classified

**OSHA hazards** Not classified

### Label elements

**Hazard symbol** None

**Signal word** None

**Hazard Statement** None

### Precautionary statement

**Prevention** None

**Response** In case of fire – non flammable – use media proper to primary cause of fire.

**Storage** Store in a dry place

**Disposal** Dispose contents/container in accordance with local/regional/national/international regulations

### Hazard(s) not otherwise

**classified (HNOC)** None known

**Supplemental information** None

## 3. Composition/information on ingredients

### Substances

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS number</u>	<u>%</u>
H2S	Water	7732-18-5	XOXR 97.90 XOPR 98.90 XOXC 95.80 XOPC 92.28
Alkyl polyglycoside	Surfactant 50% Water 50%	110615-47-9 7732-18-5	XOXR 1.00 XOPR .50 XOXC 2.00 XOPC 3.50
Proprietary essential oil compound <b>HS</b> the specific chemical identity and/or percentage of Composition has been withheld as a trade secret.			XOXR 1.00 XOPR .50 XOXC 2.00 XOPC 3.50
Cetylpyridinium chloride	Quaternary ammonium compound	6004-24-6	XOXR .10 XOPR .10 XOXC .20 XOPC .72

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## 4. First-aid measures

<b>Inhalation</b>	No effects expected. If breathing is difficult remove to fresh air and look for primary cause of the breathing problem, keep in a rest position comfortable for breathing. Call a physician if symptoms develop or persist
<b>Skin contact</b>	No effects of exposure expected
<b>Eye Contact</b>	Rinse with water. Get medical attention if irritation develops or persists.
<b>Ingestion</b>	Rinse mouth with water.
<b>Most important Symptoms, acute and delayed</b>	Direct contact with eyes and ingestion may cause temporary irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically.
<b>General information</b>	None
<b>5. Fire-fighting measures</b>	
<b>Suitable extinguishing media</b>	Non-flammable – use extinguishing media suited to the source of the fire.
<b>Unsuitable extinguishing</b>	Non-flammable - use extinguishing media suited to the source of the fire.
<b>Specific hazards arising From the chemical</b>	Non-hazardous
<b>Special protective equipment and precautions for fire fighters</b>	None except that necessary for the primary cause of the fire.
<b>Fire fighting equipment/instructions</b>	Those necessary for the primary cause of the fire.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Non-combustible liquid.
<b>6. Accidental release measures</b>	
<b>Personal precautions, protective equipment and emergency procedures</b>	None necessary.
<b>Methods and materials for containment and clean up</b>	Mop bucket
<b>Environmental procedures</b>	No procedures specified.
<b>7. Handling and storage</b>	
<b>Precautions for safe handling</b>	Observe standard safety handling precautions. Non-toxic.
<b>Conditions for safe storage</b>	Indoor storage in a dry place.
<b>Including and incompatibilities</b>	
<b>8. Exposure controls/personal protection</b>	
<b>Occupational exposure limits</b>	No exposure limits for ingredients.
<b>Biological limit values</b>	No biological exposure limits noted for ingredients.
<b>Appropriate engineering controls</b>	No engineering controls noted.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear goggles
<b>Skin protection</b>	No protection noted.
<b>Thermal hazard</b>	None noted.
<b>General hygiene</b>	
<b>Considerations</b>	Observe good personal hygiene.

## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Liquid
<b>Form</b>	Liquid
<b>Color</b>	Clear to cloudy
<b>Odor</b>	Floral
<b>Odor threshold</b>	Not available
<b>pH</b>	Mid range
<b>Melting point/freezing point</b>	32.0 F
<b>Initial boiling point and Boiling range</b>	Not available
<b>Flash point</b>	Not available
<b>Evaporative rate</b>	Not available
<b>Flammability (solid gas)</b>	Non-flammable
<b>Upper/flammability or exposure limits</b>	
<b>Flammability limit-lower (%)</b>	Not available
<b>Flammability limit-upper (%)</b>	Not available
<b>Exposure limit-lower (%)</b>	Not available
<b>Exposure limit-upper (%)</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Relative density</b>	Not available
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Soluble
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Other information</b>	
<b>Molecular formula</b>	Not available
<b>Molecular weight</b>	Not available
<b>Specific gravity</b>	Not available
<b>VOC (weight)</b>	Not available
<b>10. Stability and reactivity</b>	
<b>Reactivity</b>	Stable and non-reactive under normal conditions of use, storage and transport
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous Reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Avoid deodorizing enclosed environment 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 substances, where the odor of such substances is the only warning of their presence.
<b>Incompatible material</b>	Strong oxidizing agents – enzymes –sodium hypochlorite (bleach)
<b>Hazardous decomposition Products</b>	No hazardous decomposition products are known
<b>11. Toxicological information</b>	
<b>Information or likely routes or exposure</b>	
<b>Inhalation</b>	No adverse effects due to inhalation are expected
<b>Skin contact</b>	No adverse effects due to skin contact are expected
<b>Eye contact</b>	No adverse effects due to eye contact are expected
<b>Ingestion</b>	No adverse effects due to ingestion are expected
<b>Symptoms related to the Physical, chemical and</b>	

## Toxicological characteristics

### Information on toxicological effects

Acute toxicity	Non-toxic
Skin corrosion/irritation	No adverse effects
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	
Respiratory sensation	Not available
Skin sensitization	Not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA
OSHA Specifically Regulated Substances (29 CFR 1910, 1001-1050)	
Not listed	
Reproductive toxicity	Not expected to cause reproductive or developmental effects.
Specific target organ toxicity -single exposure	Not classified.
Specific target organ toxicity -repeated exposure	Not classified.
Aspiration Hazard	Not available

### 12. Ecological information

Ecotoxicity	Not classified as environmentally hazardous.
Persistence and degradability	Biodegradable
Bioaccumulative potential	Not expected
Mobility in soil	Mobile
Other adverse effects	No adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected.

### 13. Disposal considerations

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues/unused products	Dispose of in accordance with local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling.

### 14. Transport information

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not available

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### 15. Regulatory Information

US Federal regulations	Not regulated
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	
Not regulated	
CERCLA Hazardous Substance List (40 CFR 302.4)	
Not listed	

**SARA 304 Emergency release notification**

Not regulated

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed

**Superfund Amendments and Regulated Substances Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard – No  
 Delayed Hazard – No  
 Fire Hazard – No  
 Pressure Hazard – No  
 Reactivity Hazard – No

**SARA 302 Extremely hazardous substance**

Not listed

**SARA 311/312 Hazardous chemical**

Not listed

**SARA 313 (TRI reporting)**

Not regulated

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated

**Safe Drinking Water Act (SDWA)** Not regulated**US state regulations****US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed

**US. Massachusetts RTK – Substance List**

Not regulated

**US. New Jersey Worker and Community Right-to-know Act**

Not listed

**US. Pennsylvania Worker and Community Right-to-know Law**

Not listed

**US. Rhode Island RTK**

Not regulated

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) These products are not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

Country(s) or regions	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances (NDSL)	No
China	Inventory of Existing Chemical Substances in China	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCs)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes

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Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all the components of this product comply with the inventory requirements administered by the governing country(s)  
 A "No" indicates that one or more of the components of the product are not listed or exempt for listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**



<b>Issue date</b>	07-15-2015
<b>Version #</b>	01
<b>HMIS ratings</b>	Health 0 Flammability 0 Physical Hazard 0 Personal protection 0
<b>Disclaimer</b>	The information in the sheet was written based on the best knowledge and experience currently available.
<b>Revision Information</b>	This document has undergone significant changes and should be reviewed in its entirety.