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Material Safety Data Sheet

SPI #01387-AB, #01387-BC, #01388-AB, and #01388-AG X-O® Odor Neutralizer

Section 1: Identification

Date Effective..... January 8, 2009
(most recent revision)

Chemical Name/Synonyms... On Label: X-O Odor Neutralizer

Chemical Family..... Not known

Emergencies

Contacting CHEMTREC:

24 Hour Emergency Use Only #'s...

Worldwide phone: 1-(703)-527-3887

Worldwide FAX: 1-(703)-741-6090

Toll-free phone: 1-(800)-424-9300 USA only



Product or Trade Name.... SPI #01387-AB, #01387-BC, #01388-AB,
and #01388-AG X-O® Odor Neutralizer

CAS #..... Not applicable: Mixture

Chemical Formula..... Not applicable: Mixture

Section 2 Composition

Component Name	CAS#	OSHA	OSHA	ACGIH	ACGIH
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Water	CAS# 7732-18-5:	97.90%
Alkyl polyglycoside	CAS# 110615-47-9:	0.50%
Cetylpyridinium Chloride	CAS# 6004-24-6:	0.10%
Proprietary fragrance compound HS:		1.00%

The specific chemical identities of the ingredients of this compound (HS) are considered to be trade secrets and are withheld in accordance with the provision of 1910.1200 of title 29 CFR.

No hazardous ingredients in X-O Odor Neutralizer as defined by the OSHA Standard and Hazardous Substance List 29 CFR 1910 Subpart Z.

NFPA Rating: Not known

Section 3: Hazard Identification

Routes of entry

Inhalation?	Yes
Skin?	No
Ingestion?	Yes

Health Hazards (Acute and chronic):

Inhalation of mist or spray may prove locally irritating to mucous membranes. Ingestion may cause discomfort and/or diarrhea. Eye contact may prove irritating.

Carcinogenicity:

NTP?	No
IARC Monographs?	No
OSHA Regulated?	No

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	Signal	
Category	Word	Indicators

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.

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.

Section 4: First Aid Measures

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 5: Fire Fighting Measures

NFPA Rating: Not known

Extinguishing Media

Suitable/Not suitable:

Fire: Use extinguishing media suitable for the surrounding materials.

Special firefighting procedures:

Self-contained positive pressure breathing apparatus and protective clothing should be worn when fighting fires involving chemicals.

Unusual Fire/Explosion Hazards: None

Hazardous thermal decomposition products: None known.

Protection of fire fighters: No special measures are required.

Flammable Limits:

LEL: No data

UEL: No data

Section 6: Accidental Release Measures

Personal precautions: No special precautions

Environmental Precautions and Clean Up Methods:

Material foams profusely. Recover as much as possible and flush remainder to sewer. Material is biodegradable.

Section 7: Handling and Storage

Store in a warm warehouse. Avoid storing below 32°F (0°C) or above 120°F (49°C). Keep container tightly 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 8: Exposure Controls and Personal Protection

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 9: Physical and Chemical Properties

Physical State and Appearance:

Odor: Floral aromatic

Appearance: Milk like, white tinted

Color: Opaque white

Boiling Point: 100°C (212°F)

Melting/Freezing Point: -10°C (14°F)

Density (water = 1): 1

Solubility: Infinitely soluble with water

Octanol/water partition coefficient: Not available

pH: Range 7

Flash Point: None

Flammability: Non-flammable

Autoignition temperature: Not applicable

Vapor Pressure: Not volatile; similar to water

Viscosity: Less than 100-cps spindle 3

Section 10: Stability and Reactivity

Chemical Stability: The product is stable

Hazardous polymerization: Will not occur

Conditions to Avoid: None

Hazardous Products of Deposition: None

Incompatible Materials: Strong oxidizing or reducing agents.

Reactions with Air and Water:

Does not react with air, water or other common materials.

Section 11: Toxicological Information

Summary: Not considered to be toxic to humans or animals.

Skin Effects: Can be locally irritating

Eye Irritation: Can be irritating to the eyes

Inhalation: Dust can be irritating to mucous membranes

Sensitization: Not known

Chronic toxicity: There is no known effect from the chronic exposure to this product.

Section 12: Ecological Information

Exotoxicity: Not know but it is expected to be low because the material is biodegradable and is 97% water.

Environmental Fate: It is biodegradable.

Bioaccumulation: Not expected to occur (because the material is biodegradable).

Section 13: Disposal Considerations

This material is NOT classified as a hazardous material by RCRA. Use only licensed transporters and permitted disposal facilities and conform to all laws.

Recycle to process, if possible.

Germany water class: VCI WGK: No products were found.

Methods of disposal; waste of residues; contaminated packaging:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

Proper Shipping Name: Non-Regulated, No dangerous cargo

DOT Hazard Class: Non-Regulated, No dangerous cargo

UN/NA ID: Non-Regulated, No dangerous cargo

Packing Group: Not Applicable

Labels: Not Regulated

Marine Pollutant: No

NAER Guidebook: Not Regulated

DOT Status: Not Regulated

Land-Road/Railway:

ADR/RID Class: No dangerous cargo

Sea:

IMDG Class: No dangerous cargo

Air:

IATA-DGR Class: No dangerous cargo

Section 15: Regulatory Information

TSCA: All components of this product are listed on the TSCA 8(b) inventory. If identified components of this product are listed under the TSCA 12(b) Export Notification Rule, they will be listed below.

TSCA 12(b) Component	Listed under TSCA Section
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SARA Title 3: Section 313 Information/Emissions Reporting (**40 CFR 372**):

Component	Reporting Threshold
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SARA-Section 311/312:

No components present in this product are subject to the reporting requirements of this statute.

CERCLA Hazardous Substances and their Reportable Quantities:

Component	Reportable Quantity
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EU Regulations: Risk Phrases: This product is not classified according to the EU regulations.

Safety Phrases: Not applicable

Contains: Not applicable

California Prop. 65:

Proposition 65 requires manufacturers or distributors of consumer products into the State of California to provide a warning statement if the product contains ingredients for which the State has found to cause cancer, birth defects or other reproductive harm. If this product contains an ingredient listed by the State of California to cause cancer or reproductive toxicity, it will be listed below:

None found

Section 16: Other Information

Disclaimer of Liability:

Caution! Do not use SPI Supplies products or materials in applications involving implantation within the body; direct or indirect contact with the blood pathway; contact with bone, tissue, tissue fluid, or blood; or prolonged contact with mucous membranes. Products offered by SPI Supplies are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. SPI Supplies will not provide to customers making devices for such applications any notice, certification, or information necessary for such medical device use required by US FDA (Food and Drug Administration) regulation or any other statute. SPI Supplies and Structure Probe, Inc. make no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues or fluids.

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