

# MATERIAL SAFETY DATA SHEET

MS-X2 STIFFSPRAY  
Issue date: 05/01/08  
Revision date:  
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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Commercial product name:**

VIVITONE X<sup>2</sup> STIFF SPRAY

**Manufacturer/Supplier:**

VIVITONE Inc.  
239 North Unruh Avenue.  
City of Industry, CA. 91744

**Information number:**

(626) 961 – 9101 (Mon – Fri)  
(8:00 a.m. – 4:30 p.m.)

**Emergency:**

CHEMTREC  
(800) 424 - 9300

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## 2. COMPOSITION / HAZARDOUS INGREDIENTS

Component	CAS No.
Ethanol (Alcohol)	64-17-5
t-butyl alcohol	76-65-0

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## 3. HAZARDS IDENTIFICATION

**Route(s) of Entry:**     Ingestion     Inhalation     Skin

**Signs and Symptoms of Exposure**

- Inhalation of high vapor concentrations can cause CNS-depression and narcosis.
- Prolonged or repeat skin contact can have irritating effect.
- Irritating to eyes.

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## 4. FIRST AID MEASURES

**Eyes**

Remove contact lenses if used. Flush eye(s) immediately with plenty of water. Do not rub eye(s), get medical attention IMMEDIATELY.

**Inhalation**

Move to fresh air in case accidental inhalation. If symptoms persist, seek medical attention IMMEDIATELY.

**Ingestion**

Do not induce vomiting. Rinse mouth with water, and drink afterward with plenty of water. Rush to emergency room IMMEDIATELY with this safety data sheet.

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## 5. FIRE FIGHTING MEASURES

**Extinguishing Media**

Spray water stream, foam, chemically fire extinguisher and CO<sub>2</sub> extinguisher. Type of extinguisher should be in conformance with local fire regulations.

**Risk of exposure**

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Fire explosion of aerosol can is possible, evacuate away from the storage area. Fire fighters must be informed about the presence of the aerosol cans.

## Firefighting equipment

Wear self-contained breathing apparatus and protective suit.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Avoid contact with eyes; do not breathe vapor or spray mist. Keep away all sources of ignitions.

### Environmental precautions

Do not flush into surface or sanitary sewer system.

### Cleaning Procedure

Maintain good manufacturer hygiene. Soak up products with absorbent, non-flammable material. All disposals should be in accordance with all applicable Local, State, and Federal regulations.

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## 7. HANDLING AND STORAGE

### Handling

DO NOT inhale intently or spray into eyes. Spray in short sequences and ventilate room after spraying. Do not spray on a naked flame or any incandescent materials.

### Storage

KEEP OUT of reach of children. Extremely flammable, protect from heat, sunlight and ignition sources. Keep in place at temperature above  $-20^{\circ}\text{C}$ , but not exceeding  $40^{\circ}\text{C}$ .

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## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Respiratory Protection

Under normal conditions of use, none required. Yet, direct inhalation vapors should be avoided. Wear mask if prolonged exposures.

### Protective and Hygiene measures

Exhaust ventilation is needed where the products are stored and/or handled. It is recommended that personnel wear safety glasses. Always follow good hygienic work practices. DO NOT drink, eat or smoke when using.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** liquid

**Color:** Clear

**Odor:** Fruity

**Flash Point:**  $65^{\circ}\text{F}$

**Solubility in Water:** miscible

**Specific Gravity (H<sub>2</sub>O):** 0.912 gm/ml

**pH:** 7.00 – 7.50

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## 10. STABILITY AND REACTIVITY

Stable in secured condition. Keep away from oxidizing materials and flame. Avoid of place where extremely temperatures such heat, sparks, flame and contacting with the oxidizing liquid. Carbon Monoxide and unidentified organic compounds may be formed during combustion.

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## 11. TOXICOLOGICAL INFORMATION

- Harmful if swallowed.
- Eye irritation
- May induce skin sensitization and respirator hypersensitivity.
- Bronchitis may aggravate by irritant gases of particulars
- Skin irritation

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## 12. ECOLOGICAL INFORMATION

Persulfate salts contain toxic to aquatic organisms if spilled in large quantities. Persulfate salts are rapid elimination in sewage treatment plants.

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## 13. DISPOSAL CONSIDERATIONS

It must be empty before disposal. Dispose as hazardous wastes in compliance with Local, State and Federal regulations.

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## 14. TRANSPORT INFORMATION

**US DOT 49 CFR 172.101:** Proper Shipping Name. DOT class is not regulated.

**Land transport (ADR / RID):** None

**Maritime (IMO):** None

**Air (IATA):** None

Not classified as dangerous in the meaning of transport regulations.

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## 15. REGULATORY INFORMATION

Symbol	X	Irritant
R-Phases	R36/37/38	Irritating to eyes, respiratory system and skin.
S-Phases	S22	Do not breathe in dust
	S46	Harmful if swallowed.

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## 16. OTHER INFORMATION

This information contained herein is, to the best of our knowledge and belief, accurate and reliable as the date issued. We do not however, warrant or guarantee the accuracy or reliability, nor shall we be liable for any loss or damage arising out of the use thereof. This information is offered solely for the user's consideration and examination in terms of safety requirements.