

# Material Safety Data Sheet

**Product: Ultraspray**

**MSDS Date:** 5/7/07  
**Product Name:** Ultraspray  
**Manufacturer:** Fuel Efficiency, LLC

## 1. Product and Company Description

Fuel Efficiency, LLC  
101 Davis Parkway  
P.O. Box 271  
Clyde, NY 14433

**For Product Information/Emergency:**  
800-535-5053  
352-323-3500 (For International Shipments only)

**Chemical Synonym/Formula:**  
N/A

## 2. Hazards Identification

### Emergency Overview

**Appearance/Odor:** Slightly viscous pink liquid with no odor.

### Potential Health Effects:

**Acute Eye:**

Corrosive material. May cause severe irritation, burns and eye damage.

**Acute Skin:**

May cause severe irritation and burns.

**Acute Inhalation:**

May be irritating to respiratory tract.

**Acute ingestion:**

Not considered a route of exposure under anticipated use conditions. Nitrites are toxic and may cause rapid drop in blood pressure, vertigo, fainting and gastrointestinal disturbance if ingested.

**Chronic Exposure:**

Not determined

**Aggravation of Pre-existing Conditions:**

Not determined

## 3. Chemical Composition

Component	CAS#	%Composition
Water	7732-18-5	86

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Component	CAS#	%Composition
Sodium Metasilicate	6834-92-0	8
Sodium Nitrite	7632-00-0	2
Disodium Phosphate	7558-79-4	2
Wetting Agent	Proprietary	<1
Coloring	Proprietary	<1

## 4. First Aid Measures

### First Aid Measures for Accidental:

**Eye Exposure:**

Immediately flush eyes with copious amounts of water for at least 15 minutes. If irritation develops, SEEK MEDICAL ATTENTION.

**Skin Exposure:**

Flood affected area with water for extended period. If irritation develops, seek medical attention.

**Inhalation:**

Remove to fresh air. Seek medical attention if breathing becomes difficult.

**Ingestion:**

Do not induce vomiting, give large quantities of water. Seek medical attention.

## 5. Fire Fighting Measures

### Fire Hazard Data:

**Autoignition:** N/A

**Flash Point:** N/A

**Flammability Limits (vol/vol%):**

**Lower:**  
N/A

**Upper:**  
N/A

**Extinguishing Media:**

Use extinguishing media suitable for surrounding fire

**Special Fire Fighting Procedures:**

Do not enter confined fire space without positive pressure, self contained breathing apparatus and appropriate fire fighter's protective clothing.

**Unusual Fire and Explosion Hazards:**

None

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## 6. Accidental Release Measures

### Cleanup and Disposal of Spill:

Soak up with non-combustible absorbent material and place in a suitable container for reclamation or disposal. Do not discharge into drains or sewers. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

## 7. Handling and Storage

### Handling/Storage:

Avoid contact with skin and eyes. Keep in a tightly closed container, stored in a cool, dry, well ventilated area.

## 8. Exposure Controls / Personal Protection

### Exposure Guidelines:

Component	ACGIH	NIOSH	OSHA-PELs
Water	NA	NA	NA
Sodium Metasilicate	ND	ND	ND
Sodium Nitrite	ND	ND	ND
Disodium Phosphate	ND	ND	ND
Wetting Agent	ND	ND	ND
Coloring	ND	ND	ND

### Engineering Controls:

General mechanical ventilation is adequate for normal use. Local exhaust is recommended for confined areas.

### Respiratory Protection:

None

### Eye / Face Protection:

None required under anticipated product use conditions.

### Skin Protection:

Use gloves to protect hands.

## 9. Physical and Chemical Properties

**Physical Appearance:** Slightly viscous pink liquid

**Odor:** None

**pH:** 12

**Specific Gravity:** 1.083

**Water Solubility:** Complete

**Melting Point:** NA

**Freezing Point** NA

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**Boiling Point:** ND  
**Vapor Pressure:** ND  
**Density:** NA  
**Percent Volatiles by Volume:** NA  
**Evaporation Rate:** 1.0 (Butyl Acetate=1)  
**Viscosity:** ND  
**Density:** ND

## 10. Stability and Reactivity

**Chemical Stability:**

Stable

**Conditions to Avoid:**

None

**Materials / Chemicals to Be Avoided:**

Strong acids and reducing agents

**Hazardous Decomposition Products:**

Nitrogen oxides

**Hazardous Polymerization:**

Will not occur.

## 11. Toxicological Information

**Acute Effects**

For Sodium Metasilicate: Oral rat LD50: 1153 mg/kg; standard Draize, skin, human, 250 mg/24-hour, severe.

For Sodium Nitrite: Oral rat LD50: 180 mg/kg; inhalation rat LC50: 5500 ug/m3; irritation: eye rabbit: 500 mg/24H mild.

For Disodium Phosphate: Oral rat LD50: 17 gm/kg. Skin rabbit, standard Draize, 500 mg/24H, mild. Eye rabbit, standard Draize, 500 mg/24H mild.

**Chronic Effects**

Carcinogenicity: No data

Mutagenicity: No data

Reproductive Effects: No Data

Developmental Effects: No Data

## 12. Ecological Information

**Environmental Fate:**

No information found.

**Environmental Toxicity:**

No information found.

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## 13. Disposal Considerations

### Waste Disposal Method:

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## 14. Transportation Information

### US Department of Transportation Shipping Name:

US Department of Transportation	Proper Shipping Name	Compounds, Cleaning Liquid (contains sodium metasilicate)
	Hazard Class	8
	ID Number	NA 1760
	Packaging Group	III

### For International Shipments:

ADR/RID/IMO/ICAO	Proper Shipping Name	Corrosive Liquids, n.o.s (contains sodium metasilicate)
	Hazard Class	8
	ID Number	UN 1760
	Packaging Group	III

## 15. Regulatory Information

### Federal Regulations:

#### SARA Title III Hazard Classes:

Fire Hazard: No

Reactive Hazard: No

Release of Pressure: No

Acute Health Hazard: No

Chronic Health Hazard: No

#### TSCA

All components of this product are on the TSCA inventory or are exempt from TSCA Inventory requirements

### Other Regulations:

None

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## 16. Other Information

### National Paint & Coating Hazardous Materials Identification System – HMIS(R):

Health Hazard:	1
Flammability:	0
Reactivity:	0

#### Key Legend Information:

NA – Not Applicable

ND – Not Determined

ACGIH – American Conference of Governmental

Industrial Hygienists

OSHA – Occupational Safety and Health  
Administration

TLV – Threshold Limit Value

PEL – Permissible Exposure Limit

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

NTP – National Toxicology Program

IARC – International Agency for Research on Cancer