



Superior Solutions

ZEP Inc.  
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# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

**Product name** Meter Mist Fresh Linen  
**Product use** Odour Counteractant Aerosol product  
**Product code** 3406  
**Date of issue** 06/15/14 **Supersedes** 12/05/12

### Emergency Telephone Numbers

#### For MSDS Information:

Technical Services Group  
Telephone (780) 453-8100  
(Business Hours 8:00am - 5:00pm)

#### For Medical or Transportation Emergency

CANUTEC (24 Hours)  
(613) 996-6666 - Call Collect

#### Prepared By

Technical Services Group  
11627 178th Street  
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## Section 2. Hazards Identification

### Emergency overview

#### WARNING!

CONTENTS UNDER PRESSURE. FLAMMABLE AEROSOL.

Do not breathe vapor or mist. Do not get in eyes or on skin or clothing. Keep away from heat, sparks and flame.

**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

#### Acute Effects

#### Routes of Entry

Dermal contact. Eye contact. Inhalation.

##### Eyes

Direct contact may cause irritation and redness. Inflammation of the eye is characterized by redness, watering and itching.

##### Skin

Prolonged or repeated contact may dry skin and cause irritation. Non-irritating under conditions of use.

##### Inhalation

Over-exposure by inhalation may cause respiratory irritation. Non-irritating under conditions of use. Avoid direct inhalation of spray.

##### Ingestion

Aspiration hazard if swallowed. Can enter lungs and cause damage. May be harmful if swallowed. Unlikely in this form.

#### Chronic effects

Contains material which may cause damage to the following organs: kidneys, liver, central nervous system (CNS).

**Additional Information:** See Toxicological Information (Section 11)

## Section 3. Composition/Information on Ingredients

### Name of Hazardous Ingredients

### CAS number

### % by Weight

acetone

67-64-1

60 - 100

propane

74-98-6

10 - 30

## Section 4. First Aid Measures

### Eye Contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

### Skin Contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops.

### Inhalation

Move exposed person to fresh air. If breathing is difficult, Get medical attention immediately.

### Ingestion

Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Section 5. Fire Fighting Measures****Flash Point** Not available.**Flammable Limits** Not available.**Flammability** Flammable Aerosol (16 CFR 1500.45)**Auto-ignition Temperature****Fire-Fighting Procedures** Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear appropriate protective equipment.**Fire hazard** In a fire or if heated, a pressure increase will occur and the container may burst. Bursting aerosol containers may be propelled from a fire at high speed.**Products of Combustion****Explosion hazard****Section 6. Accidental Release Measures****Spill Clean up** Large spills are unlikely due to packaging.**Section 7. Handling and Storage****Handling** Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling.**Storage** CONTENTS UNDER PRESSURE. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep out of the reach of children. Store and use away from heat, sparks, open flame or any other ignition source.**Section 8. Exposure Controls/Personal Protection****Product name**

acetone

**Exposure limits****CA Alberta Provincial (Canada, 4/2009).**8 hrs OEL: 1200 mg/m<sup>3</sup> 8 hours.15 min OEL: 1800 mg/m<sup>3</sup> 15 minutes.

8 hrs OEL: 500 ppm 8 hours.

15 min OEL: 750 ppm 15 minutes.

**CA British Columbia Provincial (Canada, 4/2012).**

TWA: 250 ppm 8 hours.

STEL: 500 ppm 15 minutes.

**CA Ontario Provincial (Canada, 1/2013).**

TWA: 500 ppm 8 hours.

STEL: 750 ppm 15 minutes.

STEL: 1782 mg/m<sup>3</sup> 15 minutes.TWA: 1188 mg/m<sup>3</sup> 8 hours.**CA Quebec Provincial (Canada, 12/2012).**TWA<sub>EV</sub>: 500 ppm 8 hours.TWA<sub>EV</sub>: 1190 mg/m<sup>3</sup> 8 hours.

STEV: 1000 ppm 15 minutes.

STEV: 2380 mg/m<sup>3</sup> 15 minutes.

propane

**CA Alberta Provincial (Canada, 4/2009).**

8 hrs OEL: 1000 ppm 8 hours.

**CA British Columbia Provincial (Canada, 4/2012).**

TWA: 1000 ppm 8 hours.

**CA Quebec Provincial (Canada, 12/2012).**TWA<sub>EV</sub>: 1000 ppm 8 hours.TWA<sub>EV</sub>: 1800 mg/m<sup>3</sup> 8 hours.**CA Ontario Provincial (Canada, 1/2013).**

TWA: 1000 ppm 8 hours.

**Personal Protective Equipment (PPE)****Eyes** Recommended: Safety glasses.**Hands and Body** No protective clothing is required under normal conditions of use.**Respiratory** No personal respiratory protective equipment normally required.

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid. [Aerosol.]	<b>Color</b>	Colorless.
<b>pH</b>	Not applicable.	<b>Odor</b>	Pleasant. Fresh
<b>Boiling Point</b>	Not available.	<b>Vapor Pressure</b>	Not available.
<b>Specific Gravity</b>	0.75	<b>Vapor Density</b>	Not available.
<b>Solubility</b>	Soluble in the following materials: cold water and hot water.	<b>Evaporation Rate</b>	Not available.
<b>Freezing Point</b>		<b>VOC (Consumer)</b>	24.8 % (w/w)185.6 g/L

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Avoid contact with strong oxidizers, excessive heat, sparks or open flame.
<b>Hazardous Polymerization</b>	Under normal conditions of storage and use, hazardous polymerization will not occur.
<b>Hazardous Decomposition Products</b>	carbon oxides (CO, CO <sub>2</sub> )

**Section 11. Toxicological Information**

Not available.

**Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
acetone	LD50 Oral	Rat	5800 mg/kg	-

**Mutagenicity****Conclusion/Summary** : Not available.**Teratogenicity****Conclusion/Summary** : Not available.**Reproductive toxicity****Conclusion/Summary** : Not available.**Section 12. Ecological Information****Aquatic Ecotoxicity**


acetone	-	Acute EC50 20.565 mg/l	Algae - Green algae -	96 hours
	-	1 Marine water	Ulva pertusa	
	-	Acute LC50 6000000	Crustaceans - Scud -	48 hours
	-	µg/l Fresh water	Gammarus pulex	
	-	Acute LC50 10000 µg/l	Daphnia - Water flea -	48 hours
	-	Fresh water	Daphnia magna	
	-	Acute LC50 100 mg/l	Fish - Fathead minnow -	96 hours
	-	Fresh water	Pimephales promelas -	
	-		Juvenile (Fledgling,	
	-		Hatchling, Weanling)	
	-	Chronic NOEC 4.95 mg/l	Algae - Green algae -	96 hours
	-	1 Marine water	Ulva pertusa	
	-	Chronic NOEC 0.016	Crustaceans - Daphnia -	21 days
	-	ml/L Fresh water	Daphniidae	
	-	Chronic NOEC 0.1 ml/L	Daphnia - Water flea -	21 days
	-	Fresh water	Daphnia magna -	
	-		Neonate	

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Code: D001  
Classification: Ignitable hazardous waste.  
Origin: RCRA waste.

**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>TDG Classification</b>	1950	Aerosols, flammable	2.1	-		<b><u>Explosive Limit and Limited Quantity Index</u></b> 1
<b>IMDG Class</b>				-		

**NOTE:** DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. Limited Quantity: Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.

PG\* : Packing group

**Section 15. Regulatory Information****Canada****WHMIS (Canada)**

Class A: Compressed gas.

Class B-5: Flammable aerosol.

Class D-2B: Material causing other toxic effects (Toxic).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*