



ZEP Inc.  
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# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

**Product name** O.A. MATIC AIO NPE FREE  
**Product use** General Purpose Cleaner  
**Product code** P267  
**Date of issue** 10/29/15 **Supersedes** 01/04/13

### 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

**CAUTION !**

MAY BE HARMFUL IF SWALLOWED.

Do not ingest. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing.  
Wash thoroughly after handling.

**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

Irritating to eyes. Eye exposure may cause severe and permanent eye injury (blindness).

#### Skin

Causes severe skin irritation. Prolonged exposure may result in skin burns and ulcerations.

#### Inhalation

Over-exposure by inhalation may cause respiratory irritation.

#### Ingestion

Harmful if swallowed.

### Chronic effects

No known chronic effects from exposure.

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

## Section 3. Composition/Information on Ingredients

<u>Name of Hazardous Ingredients</u>	<u>CAS number</u>	<u>% by Weight</u>
HYDROGEN PEROXIDE; peroxide	7722-84-1	5 - 10
DIPROPYLENE GLYCOL N-PROPYL ETHER; 2-propanol, 1-(1-methyl-2-propoxyethoxy)	29911-27-1	3 - 7
QUATERNARY AMMONIUM CHLORIDES; blend of alkyl dimethylbenzyl ammonium chlorides, alkyl dimethyl ethylbenzyl ammonium chlorides, and ethanol	85409-23-0; 68391-01-5	1 - 5
Alcohols (C12-15, Ln. saturated) ethoxylate	68131-39-5	1 - 5
N,N-DIMETHYL-DODECYLAMINE-N-OXIDE; n-dodecyl-dimethylamine oxide; lauramine oxide	1643-20-5	1 - 5

## Section 4. First Aid Measures

### Eye Contact

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

### Skin Contact

Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

### Inhalation

Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.

**Ingestion** If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention.

### Section 5. Fire Fighting Measures

**Flash Point** Not applicable.

**Flammable Limits** Not applicable.

**Flammability** Non-flammable.

**Auto-ignition Temperature**

**Fire-Fighting Procedures** Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Fire hazard** In a fire or if heated, a pressure increase will occur and the container may burst. Substance releases oxygen when heated, which may increase the severity of an existing fire.

**Products of Combustion** Rapidly accelerating decomposition in presence of heat or contamination can cause dangerous pressures.

**Explosion hazard** Not available.

### Section 6. Accidental Release Measures

**Spill Clean up** Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Clean the spill area and any tools or implements used several times with detergent soap and water. Dispose of via a licensed waste disposal contractor.

### Section 7. Handling and Storage

**Handling** Put on appropriate personal protective equipment (see section 8). Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Observe label precautions. Wash thoroughly after handling.

**Storage** Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep only in the original container at a temperature not exceeding 35°C. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Keep away from combustible material. Keep out of the reach of children.

### Section 8. Exposure Controls/Personal Protection

#### Product name

hydrogen peroxide

#### Exposure limits

CA Alberta Provincial (Canada, 4/2009). Skin sensitizer.

8 hrs OEL: 1 ppm 8 hour(s).

8 hrs OEL: 1.4 mg/m<sup>3</sup> 8 hour(s).

CA British Columbia Provincial (Canada, 9/2010).

TWA: 1 ppm 8 hour(s).

CA Ontario Provincial (Canada, 7/2010).

TWA: 1 ppm 8 hour(s).

TWA: 1.4 mg/m<sup>3</sup> 8 hour(s).

CA Quebec Provincial (Canada, 6/2008).

TWAEV: 1 ppm 8 hour(s).

TWAEV: 1.4 mg/m<sup>3</sup> 8 hour(s).

#### Personal Protective Equipment (PPE)

**Eyes** Recommended: Splash goggles.

**Hands and Body** Recommended: Wear appropriate protective clothing to prevent skin contact. Neoprene gloves. Nitrile gloves. Rubber gloves.

**Respiratory** Recommended: Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.



**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid.	<b>Color</b>	Clear. Green.
<b>pH</b>	3.5 - 4.0Conc. (1:100 = 4.5 - 5.5)	<b>Odor</b>	Fresh
<b>Boiling Point</b>	104°C (219.2°F)	<b>Vapor Pressure</b>	Not available.
<b>Specific Gravity</b>	1.03	<b>Vapor Density</b>	Not available.
<b>Solubility</b>	Easily soluble in the following materials: cold water and hot water.	<b>Evaporation Rate</b>	1 (Water = 1)
<b>Freezing Point</b>		<b>VOC (Consumer)</b>	5.0 %

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Reactive or incompatible with the following materials: oxidizing materials reducing materials Flammable material and Cyanides.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11. Toxicological Information**

**Carcinogenicity** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
hydrogen peroxide	LD50 Oral	Rat	1232 mg/kg	
1-(1-methyl-2-propoxyethoxy)propan-2-ol	LD50 Dermal	Rabbit	>2000 mg/kg	
	LD50 Oral	Rat	>1500 mg/kg	
	LD50 Oral	Rat	>2000 mg/kg	
Quaternary Ammonium Chlorides	LD50 Dermal	Rabbit	>2000 mg/kg	
	LD50 Oral	Rat	>500 mg/kg	
Alcohols, C12-15, ethoxylated	LD50 Oral	Rat	2 g/kg	

**Section 12. Ecological Information**

**Environmental Effects** No known significant effects or critical hazards.

**Aquatic Ecotoxicity**

Product/ingredient name	Test	Result	Species	Exposure
hydrogen peroxide	-	Acute EC50 1.2 mg/L Marine water	Algae - Green algae - Dunaliella tertiolecta - Exponential growth phase	72 hours
	-	Acute EC50 5.38 mg/L Fresh water	Algae - Green algae - Pseudokirchneriella subcapitata	96 hours
	-	Acute EC50 2320 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - Neonate - <24 hours	48 hours
	-	Acute LC50 16.4 mg/L	Fish	96 hours
Quaternary Ammonium Chlorides	-	Acute EC50 0.058 mg/L	Daphnia	48 hours
	-	Acute LC50 0.52 mg/L	Fish - Bluegill.	96 hours
Alcohols, C12-15, ethoxylated	-	Acute EC50 0.7 mg/L Fresh water	Algae - Green algae - Pseudokirchneriella subcapitata	96 hours
	-	Acute EC50 0.39 mg/L Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia - Neonate - <24 hours	48 hours
	-	Acute EC50 302 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - Neonate - <24 hours	48 hours
	-	Chronic NOEC 83 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - Neonate - <24 hours	21 days

**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** Not available.

**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>TDG Classification</b>	Not regulated.	-	-	-		-
<b>IMDG Class</b>	Not available.	Not available.	Not available.	-		-

**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 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.*