

# FORWARD

National Fire Protection Association (NFPA)	Fire Hazard	Hazardous Material Information System (HMIS)	Health	3
	Health		0	Reactivity
Specific Hazard				
Protective Clothing		Emergency Overview	Clear Green. Liquid. See Section 9. DANGER. CORROSIVE. CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED.	

Section 1. Chemical Product and Company Identification			
Product Name	<b>FORWARD</b>	Code	54307 & 54542 & 54548 & 54549
Product Use	Industrial/Institutional: Disinfectant.	PMS#	3128350
MSDS#	124540001	Validation Date	5/12/2003
U.S. Headquarters	Johnson Wax Professional 8310 16th Street Sturtevant, Wisconsin 53177-0902 Phone: (888) 352-2249 MSDS Internet Address: www.jwp.com	Canadian Headquarters	Johnson Wax Professional 100 Matheson Blvd. East, Suite 203 Mississauga, Ontario L4Z 2G7 Phone: (905) 755-0913 or (888) 746-5971
		Print Date	5/12/2003
		Supersedes	No Previous Validation
		In Case of Emergency	(800) 851-7145

Section 2. Composition and Information on Ingredients				
Ingredients	CAS #	% by Weight	Exposure Limits	LC50/LD50
n-Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	1.6	Not available.	ORAL (LD50): Acute: 426 mg/kg [Rat].
Sodium Metasilicate Pentahydrate	6834-92-0	1-5	Not available.	ORAL (LD50): Acute: 770 mg/kg [Rat].
Alkylphenoxy Polyethoxyethano	26027-38-3	1-5	Not available.	Not available.
Sodium Tripolyphosphate	7758-29-4	1-5	Not available.	ORAL (LD50): Acute: 3120 mg/kg [Rat].
Water	7732-18-5	60-100	Not available.	Not available.

Section 3. Hazards Identification	
Routes of Entry	Inhalation. Skin contact. Eye contact.
Potential Acute Health Effects	
	<i>Eyes</i> Corrosive. May cause permanent damage including blindness.
	<i>Skin</i> Corrosive. May cause permanent damage.
	<i>Inhalation</i> May cause irritation and corrosive effects to nose, throat and respiratory tract.
	<i>Ingestion</i> Corrosive. May cause burns to mouth, throat, and stomach.
Medical Conditions	Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.
See Toxicological Information (section 11)	

**Section 4. First Aid Measures**

<b>Eye Contact</b>	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.
<b>Skin Contact</b>	Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
<b>Inhalation</b>	If breathing is difficult: Remove to fresh air. Get medical attention immediately.
<b>Ingestion</b>	Do not induce vomiting! Immediately drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

<b>Flammability of the Product</b>	None known.
<b>Flash Points</b>	None.
<b>Products of Combustion</b>	None known.
<b>Fire Fighting Media and Instructions</b>	Extinguish with water spray or carbon dioxide, dry chemical powder or appropriate foam. Normal fire fighting procedure may be used.
<b>Protective Clothing (Fire)</b>	Put on appropriate personal protective equipment (see Section 8.).
<b>Special Remarks on Fire and Explosion Hazards</b>	Corrosive material (See sections 8 and 10).

**Section 6. Accidental Release Measures**

<b>Personal Precautions</b>	Put on appropriate personal protective equipment (see Section 8.).
<b>Environmental Precautions and Clean-up Methods</b>	In the event of major spillage: Use appropriate containment to avoid environmental contamination. Sweep or scrape up material. Place in suitable clean, dry containers for disposal by approved methods. Use a water rinse for final clean-up.

**Section 7. Handling and Storage**

<b>Handling</b>	Avoid contact with eyes, skin and clothing. Do not taste or swallow. Avoid breathing vapors or spray mists. Wash thoroughly after handling. Remove and wash contaminated clothing and footwear before re-use. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
<b>Storage</b>	Store in a dry, cool and well-ventilated area. Protect from freezing. Keep container tightly closed. KEEP OUT OF REACH OF CHILDREN.

**Section 8. Exposure Controls/Personal Protection**

<b>Engineering Controls</b>	Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.
<b>Personal Protection</b>	<p><i>Eyes</i> Chemical splash goggles.</p> <p><i>Hands</i> Chemical resistant gloves. Includes: Neoprene gloves. Rubber gloves.</p> <p><i>Respiratory</i> If mists/vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over exposure. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.</p> <p><i>Feet</i> Protective footwear.</p> <p><i>Body</i> If major exposure is possible, wear suitable protective clothing and footwear.</p>

**Section 9. Physical and Chemical Properties**

<b>Physical State and Appearance</b>	Liquid.
<b>Odor</b>	Mild.
<b>Color</b>	Clear Green.
<b>pH</b>	12 to 12.5 [Basic.]
<b>Specific Gravity</b>	1.075
<b>Boiling/Condensation Point</b>	100°C (212°F)
<b>Melting/Freezing Point</b>	0°C (32°F)

Solubility in water Complete.

**Section 10. Stability and Reactivity**

Stability and Reactivity The product is stable.  
 Conditions of Instability None known.  
 Incompatibility with Various Substances Reactive with acids.  
 Hazardous Decomposition Products When exposed to fire: Produces normal products of combustion.  
 Hazardous Polymerization Will not occur.

**Section 11. Toxicological Information**

Acute toxicity Corrosive.  
 Effects of Chronic Exposure None known.  
 Other Toxic Effects Not available.

**Section 12. Ecological Information**

Not available.

**Section 13. Disposal Considerations**

Waste Information PESTICIDAL WASTE - Observe all applicable Federal/Provincial/State regulations and Local/Municipal ordinances regarding disposal of pesticide wastes.

**Section 14. Transport Information**

DOT Classification  
 DOT Proper Shipping Name Please refer to the Bill of Lading/receiving documents for up to date shipping information.  
 TDG Classification  
 TDG Proper Shipping Name Please refer to the Bill of Lading/receiving documents for up to date shipping information.  
 TDG Class

**Section 15. Regulatory Information**

Reporting in this section is based on ingredients disclosed in Section 2

US Regulations

Federal Not applicable.  
 State Not applicable.  
 This product is not subject to the reporting requirements under California's Proposition 65.

Registered Product Information Not applicable.

Canadian Regulations

Canadian NPRI Canadian NPRI: Alkylphenoxy Polyethoxyethanol.  
 WHMIS Classification Exempt - regulated under the P.C.P. Act.  
 WHMIS Icon  
 Registered Product Information D.I.N.: 00413593 11663  
 P.C.P.: 11663

Chemical Inventory Status All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory. All the ingredients are on the DSL list

**Section 16. Other Information**

Other Special Considerations	Not available.
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Version	1.02
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