


# FORWARD DC

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

Section 1. Chemical Product and Company Identification				
Product Name	FORWARD DC		Code	4543 & 4544 & 4545 & 4546 & 4687 & 7858
Product Use	Industrial/Institutional: Disinfectant. This product is intended to be diluted prior to use.		PMS#	3142901
MSDS#	114540028		Validation Date	6/12/2003
U.S. Headquarters	Canadian Headquarters		Print Date	6/12/2003
Johnson Wax Professional 8310 16th Street Sturtevant, Wisconsin 53177-0902 Phone: (888) 352-2249 MSDS Internet Address: www.jwp.com	Johnson Wax Professional 100 Matheson Blvd. East, Suite 203 Mississauga, Ontario L4Z 2G7 Phone: (905) 755-0913 or (888) 746-5971		Supersedes	2/4/2002.
			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 silicate	1344-09-8	1-5	Not available.	Not available.

Section 3. Hazards Identification	
Routes of Entry	Inhalation. Skin contact. Eye contact.
Potential Acute Health Effects	<p><b>Eyes</b> Corrosive. May cause permanent damage including blindness.</p> <p><b>Skin</b> Corrosive. May cause permanent damage.</p> <p><b>Inhalation</b> May cause irritation and corrosive effects to nose, throat and respiratory tract.</p> <p><b>Ingestion</b> Corrosive. May cause burns to mouth, throat, and stomach.</p>
Medical Conditions	Notes to physician: Probable mucosal damage may contraindicate the use of gastric lavage. Individuals Aggravated by Overexposure: 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	
Eye Contact	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Get medical attention immediately.
Skin Contact	Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
Inhalation	If breathing is difficult: Remove to fresh air. Get medical attention immediately.
Ingestion	Call medical attendant, doctor, or poison control center immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.
Notes to Physician	Notes to a physician: Probable mucosal damage may contraindicate the use of gastric lavage.

**Section 5. Fire Fighting Measures**

<b>Flammability of the Product</b>	None known.
<b>Flash Points</b>	Higher than 93.3°C (200°F).
<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>	DANGER: Corrosive. CAUSES EYE AND SKIN BURNS. CONCENTRATE IS HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. After handling, always wash hands thoroughly with soap and water. 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>	
<i>Eyes</i>	Chemical splash goggles. or Face shield.
<i>Hands</i>	Chemical resistant gloves. Includes: Neoprene gloves. Rubber gloves.
<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.
<i>Feet</i>	Protective footwear.
<i>Body</i>	If major exposure is possible, wear suitable protective clothing.

**Section 9. Physical and Chemical Properties**

<b>Physical State and Appearance</b>	Liquid.
<b>Odor</b>	Mild. Minty.
<b>Color</b>	Green.
<b>pH</b>	12.5 to 13.5 [Basic.]
<b>Specific Gravity</b>	1.08
<b>Solubility in water</b>	Complete.

**Section 10. Stability and Reactivity**

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

**Section 11. Toxicological Information**

**Acute toxicity** ORAL (LD50) > 5000 mg/kg. DERMAL (LD50) > 2000 mg/kg. Inhalation LC50 > 3 mg/l 4 hours.  
**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** Clean Water Act (CWA) 311: Sodium Tripolyphosphate  
 CERCLA: Hazardous substances.: Ethyl Alcohol, Sodium Tripolyphosphate

**State** New Jersey spill list: Sodium Tripolyphosphate  
 New Jersey: Ethyl Alcohol, Sodium Tripolyphosphate  
 Massachusetts spill list: Ethyl Alcohol, Sodium Tripolyphosphate  
 Massachusetts RTK: Ethyl Alcohol, Sodium Tripolyphosphate  
 Pennsylvania RTK: Ethyl Alcohol, Sodium Tripolyphosphate

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

**Registered Product Information** EPA Registration Number: 70627-10

**Canadian Regulations**

**Canadian NPRI** Not applicable.

**WHMIS Classification** Not controlled under WHMIS (Canada). Exempt

**WHMIS Icon**



**Registered Product Information** Not applicable.

**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

**Section 16. Other Information****Other Special  
Considerations**

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