



# STEP-OFF

<b>National Fire Protection Association (NFPA)</b>	<div><div>Fire Hazard</div><div>Health</div><div>Reactivity</div></div> 	<b>Hazardous Material Information System (HMIS)</b>	<table><tr><td>Health</td><td>3</td></tr><tr><td>Fire Hazard</td><td>0</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health	3	Fire Hazard	0	Reactivity	0
Health	3								
Fire Hazard	0								
Reactivity	0								
<b>Specific Hazard</b>									
<b>Protective Clothing</b>		<b>Emergency Overview</b>	Straw color. 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	STEP-OFF	Code	4005
Product Use	Industrial/Institutional: Floor care.	PMS#	470670
MSDS#	114000003	Validation Date	04/19/2000
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	04/19/2000
		Supersedes	04/12/2000.
		In Case of Emergency	(800) 851-7145

## Section 2. Composition and Information on Ingredients

Ingredients	CAS #	% by Weight	Exposure Limits	LC50/LD50
Sodium Hydroxide	1310-73-2	1-5	CEIL: 2 (mg/m <sup>3</sup> ) from OSHA (PEL) [United States] STEL: 2 (mg/m <sup>3</sup> ) from ACGIH (TLV) [United States]	Not available.
Sodium silicate	1344-09-8	1-5	Not available.	Not available.
Monoethanolamine	141-43-5	1-5	TWA: 8 STEL: 15 (mg/m <sup>3</sup> ) from OSHA (PEL) [United States] TWA: 7.5 STEL: 15 (mg/m <sup>3</sup> ) from ACGIH (TLV) [United States]	ORAL (LD50): Acute: 1720 mg/kg [Rat]. DERMAL (LD50): Acute: 1018 mg/kg [Rabbit].
Water	7732-18-5	60-100	Not available.	Not applicable.

## Section 3. Hazards Identification

Routes of Entry	Inhalation. Skin contact. Eye contact.
Potential Acute Health Effects	<div>Eyes</div> <div>Corrosive. May cause permanent damage including blindness.</div>
<div>Skin</div>	Corrosive. May cause permanent damage.
<div>Inhalation</div>	May cause irritation and corrosive effects to nose, throat and respiratory tract.
<div>Ingestion</div>	Corrosive. May cause burns to mouth, throat, and stomach.
<div>Medical Conditions</div> <div>Aggravated by Overexposure:</div>	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>	Not available.
<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. <b>FOR INDUSTRIAL USE ONLY.</b>
<b>Storage</b>	Store in a dry, cool and well-ventilated area. Protect from freezing. Keep container tightly closed. <b>KEEP OUT OF REACH OF CHILDREN.</b>

#### 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.
<i>Hands</i>	Chemical resistant gloves. Includes: Neoprene 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 and footwear.

#### Section 9. Physical and Chemical Properties

<b>Physical State and Appearance</b>	Liquid.
<b>Odor</b>	Mild.
<b>Color</b>	Straw color.
<b>pH</b>	12.5 [Basic.]
<b>Specific Gravity</b>	1.06
<b>Boiling/Condensation Point</b>	100°C (212°F)
<b>VOC</b>	2.66 ±

Solubility in water	Complete.
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### Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	None known.
Incompatibility with Various Substances	Reactive with oxidizing agents, acids.
Hazardous Decomposition Products	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	Undiluted product is regulated under environmental and transportation laws as a corrosive waste. Dispose of according to all federal, state and local regulations.
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### Section 14. Transport Information

#### DOT Classification

DOT Proper Shipping Name	Corrosive liquid, basic, inorganic, n.o.s. ( Sodium hydroxide , Monoethanolamine )
DOT Class	Class 8: Corrosive material
UN/NA	UN3266
Packing Group	II

#### TDG Classification

TDG Proper Shipping Name	Corrosive liquid, basic, inorganic, n.o.s. ( Sodium hydroxide , Monoethanolamine )
TDG Class	Class 8: Corrosive material
PIN/NIP	UN3266
Packing Group	II

### Section 15. Regulatory Information

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

#### US Regulations

<b>Federal</b>	Clean Water Act (CWA) 311: Sodium Hydroxide CERCLA: Hazardous substances.: Sodium Hydroxide
<b>State</b>	New Jersey spill list: Sodium Hydroxide New Jersey: Monoethanolamine, Sodium Hydroxide Massachusetts spill list: Monoethanolamine, Sodium Hydroxide Massachusetts RTK: Monoethanolamine, Sodium Hydroxide Pennsylvania RTK: Monoethanolamine, Sodium Hydroxide This product is not subject to the reporting requirements under California's Proposition 65.
<b>Registered Product Information</b>	Not applicable.

#### Canadian Regulations

**WHMIS Classification** CLASS D-2B: Material causing other toxic effects (TOXIC).  
 CLASS E: Corrosive liquid.

**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** Not available.

**Version** 1

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