

STEP-OFF

National Fire Protection Association (NFPA)	Fire Hazard Health300Reactivity	Hazardous Material Information System (HMIS)	<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								
Specific Hazard									
Protective Clothing		Emergency Overview	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	6/9/2004
U.S. Headquarters	Canadian Headquarters	Print Date	6/9/2004
JohnsonDiversey, Inc. 8310 16th Street Sturtevant, Wisconsin 53177-0902 Phone: (888) 352-2249 MSDS Internet Address: www.johnsondiversey.com	JohnsonDiversey - Canada, Inc. 2401 Bristol Circle Oakville, Ontario L6H 6P1 Phone: 1-800-668-3131	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
Sodium Hydroxide	1310-73-2	1-5	OSHA (United States). CEIL: 2 mg/m ³ ACGIH (United States). STEL: 2 mg/m ³ ACGIH TLV (United States, 2003). Notes: CEIL: 2 mg/m ³ NIOSH REL (United States, 2001). Notes: CEIL: 2 mg/m ³ OSHA PEL (United States, 1993). Notes: TWA: 2 mg/m ³ 8 hour(s) Not available.	Not available.
Sodium silicate	1344-09-8	1-5	Not available.	ORAL (LD50): Acute: 1960 mg/kg [Rat]. DERMAL (LD50): Acute: >4640 mg/kg [Rabbit].
Monoethanolamine	141-43-5	1-5	OSHA (United States). TWA: 8 mg/m ³ STEL: 15 mg/m ³ ACGIH (United States). TWA: 7.5 mg/m ³ STEL: 15 mg/m ³ ACGIH TLV (United States, 2003). Notes: STEL: 15 mg/m ³ 15 minute(s). STEL: 6 ppm 15 minute(s).	ORAL (LD50): Acute: 1720 mg/kg [Rat]. 620 mg/kg [Guinea pig]. 700 mg/kg [Mouse]. DERMAL (LD50): Acute: 1018 mg/kg [Rabbit].

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Water	7732-18-5	60-100	TWA: 7.5 mg/m ³ 8 hour(s). TWA: 3 ppm 8 hour(s). OSHA PEL (United States, 1993). Notes: TWA: 6 mg/m ³ 8 hour(s). TWA: 3 ppm 8 hour(s) Not available.	Not available.
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Section 3. Hazards Identification

Routes of Entry Inhalation. Skin contact. Eye contact.

Potential Acute Health Effects

Eyes Corrosive. May cause permanent damage including blindness.

Skin Corrosive. May cause permanent damage.

Inhalation May cause irritation and corrosive effects to nose, throat and respiratory tract.

Ingestion Corrosive. May cause burns to mouth, throat, and stomach.

Medical Conditions Aggravated by Overexposure: 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

Eye Contact Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. 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 Do not induce vomiting! Immediately drink 1-2 glasses of water or milk. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flammability of the Product None known.

Flash Points Closed cup: >93.333°C (200°F).

Products of Combustion None known.

Fire Fighting Media and Instructions Extinguish with water spray or carbon dioxide, dry chemical powder or appropriate foam. Normal fire fighting procedure may be used.

Protective Clothing (Fire) Put on appropriate personal protective equipment (see Section 8.).

Special Remarks on Fire and Explosion Hazards Corrosive material (See sections 8 and 10).

Section 6. Accidental Release Measures

Personal Precautions Put on appropriate personal protective equipment (see Section 8.).

Environmental Precautions and Clean-up Methods 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

Handling	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.
Storage	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

Engineering Controls	Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.
Personal Protection	
<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

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

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 SARA 302/304/311/312 hazardous chemicals: Monoethanolamine, Sodium hydroxide
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification:
 Monoethanolamine, Sodium hydroxide
 Clean Water Act (CWA) 311: Sodium hydroxide
 CERCLA: Hazardous substances.: Sodium hydroxide

State 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.

Registered Product Information 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.

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