

MULTI-PURPOSE CLEANER

National Fire Protection Association (NFPA)	Fire Hazard	Hazardous Material Information System (HMIS)	Health	3
	Health		0	Reactivity
Specific Hazard		Emergency Overview		
Protective Clothing		Clear Red. 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	MULTI-PURPOSE CLEANER	Code	48026
Product Use	Industrial/Institutional: Cleaning product. This product is intended to be diluted prior to use.	PMS#	447692
MSDS#	126401005	Validation Date	3/7/2003
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	3/7/2003
		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
Sodium hydroxide	1310-73-2	1-5	ACGIH (United States). CEIL: 2 mg/m ³	ORAL (LD50): Acute: 500 mg/kg [Rabbit].
Monoethanolamine	141-43-5	1-5	OSHA (United States). TWA: 8 mg/m ³ STEL: 15 mg/m ³	ORAL (LD50): Acute: 1720 mg/kg [Rat]. DERMAL (LD50): Acute: 1018 mg/kg [Rabbit].
Diethanolamine	111-42-2	1-5	ACGIH (United States). TWA: 7.5 mg/m ³ STEL: 15 mg/m ³	ORAL (LD50): Acute: 710 to 3540 mg/kg [Rat]. DERMAL (LD50): Acute: 12200 mg/kg [Rabbit].
2-Butoxyethanol	111-76-2	5-10	OSHA (United States). TWA: 2 mg/m ³	ORAL (LD50): Acute: 506 mg/kg [Rat]. DERMAL (LD50): Acute: 406 mg/kg [Rabbit]. VAPOR (LC50): Acute: 450 ppm 4 hour(s) [Rat].
Tetrasodium EDTA	64-02-8	1-5	Not available.	ORAL (LD50): Acute: 330 mg/kg [Rat].
Water		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 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°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	DANGER: CORROSIVE. CONCENTRATE CAUSES EYE AND SKIN BURNS. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Wear chemical splash-proof goggles, rubber gloves and protective footwear. HARMFUL OR FATAL IF SWALLOWED. Do not taste or swallow. Avoid breathing vapor. Keep container closed. Use only with adequate ventilation. Contains: Sodium hydroxide and Monoethanolamine.
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	Clear Red.
pH	13.6 [Basic.]
Specific Gravity	1.06
Boiling/Condensation Point	100°C (212°F)
Melting/Freezing Point	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. Toxic decomposition products include: Oxides of nitrogen.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Acute toxicity	Corrosive.
Effects of Chronic Exposure	None known.
Other Toxic Effects	None known.

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	Please refer to the Bill of Lading/receiving documents for up to date shipping information.
DOT Class	
UN/NA	
DOT Special Considerations	
TDG Classification	
TDG Proper Shipping Name	Please refer to the Bill of Lading/receiving documents for up to date shipping information.
TDG Class	
PIN/NIP	
TDG Special Considerations	

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 hydroxide
Clean air act (CAA) 112 accidental release prevention: Diethanolamine
CERCLA: Hazardous substances.: Sodium hydroxide, 2-Butoxyethanol

State New Jersey spill list: 2-Butoxyethanol
New Jersey: Monoethanolamine, Diethanolamine, Sodium hydroxide, 2-Butoxyethanol
Massachusetts spill list: Monoethanolamine, 2-Butoxyethanol
Massachusetts RTK: Monoethanolamine, Diethanolamine, Sodium hydroxide, 2-Butoxyethanol
Pennsylvania RTK: Monoethanolamine, Diethanolamine, Sodium hydroxide, 2-Butoxyethanol

Registered Product Not applicable.
Information

Canadian Regulations

Canadian NPRI Canadian NPRI: Diethanolamine, 2-Butoxyethanol.

WHMIS Classification CLASS E: Corrosive liquid.

WHMIS Icon



Registered Product Not applicable.
Information

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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