

ENDUROMAX

National Fire Protection Association (NFPA)	Fire Hazard Health30Reactivity0	Hazardous Material Information System (HMIS) Health3 Fire Hazard0 Reactivity0
Specific Hazard		
Protective Clothing 	Emergency Overview Clear. Amber. Viscous liquid. 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	ENDUROMAX		Code	3031380 & 3031398 & 3031401
Product Use	Industrial/Institutional		PMS#	Not available.
MSDS#	22861		Validation Date	6/4/2004
U.S. Headquarters JohnsonDiversey, Inc. 8310 16th Street Sturtevant, Wisconsin 53177-0902 Phone: (888) 352-2249 MSDS Internet Address: www.johnsondiversev.com	Canadian Headquarters JohnsonDiversey - Canada, Inc. 2401 Bristol Circle Oakville, Ontario L6H 6P1 Phone: 1-800-668-3131		Print Date	6/4/2004
			Supersedes	6/1/2004.
			<u>In Case of Emergency</u>	(800) 851-7145

Section 2. Composition and Information on Ingredients

Ingredients	CAS #	% by Weight	Exposure Limits	LC50/LD50
N-tallow alkyl-2-2'-iminobis ethanol-n-oxide Diethylene glycol ethyl ether	61791-46-6 111-90-0	1-5 0.1-1	Not available.	Not available.
Triethanolamine Water Propylene Glycol	102-71-6 7732-18-5 57-55-6	1-5 60-100 1-5	ACGIH (United States). TWA: 5 mg/m ³ Not available.	ORAL (LD50): Acute: 3620 mg/kg [Rabbit]. 6600 mg/kg [Mouse]. 3620 mg/kg [Rabbit]. DERMAL (LD50): Acute: 6000 mg/kg [Rat]. 6000 mg/kg [Mouse]. 8500 mg/kg [Rabbit]. Not available.
Sodium Hydroxide	1310-73-2	10-30		Not available.
			OSHA (United States). CEIL: 2 mg/m ³ ACGIH (United States). STEL: 2 mg/m ³ OSHA PEL (United States, 1993). Notes: TWA: 2 mg/m ³ 8 hour(s)	ORAL (LD50): Acute: 18500 mg/kg [Rabbit]. >2080 mg/kg [quail]. 18350 mg/kg [Guinea pig]. DERMAL (LD50): Acute: 20800 mg/kg [Rabbit]. Not available.

Section 3. Hazards Identification

Routes of Entry	Skin Contact. Eye contact. Inhalation.
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>	May cause abdominal discomfort, nausea, vomiting and diarrhea. 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	Open cup: >100°C (212°F) Closed cup: >100°C (212°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 INSTITUTIONAL 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.
<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	Odorless.
Color	Clear. Amber. Viscous liquid.
pH	>13 [Basic.]
Specific Gravity	1.602
Boiling/Condensation Point	>100°C (212°F)
VOC	7.5 %
Solubility in water	Not available.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	None known.
Incompatibility with Various Substances	Reactive with metals, acids. Slightly reactive to reactive with oxidizing agents.
Hazardous Decomposition Products	None known.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Acute toxicity	Estimated to be less than 500 mg/kg (rat).
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 applicable 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 Not available.

TDG Classification

TDG Proper Shipping Name Please refer to the Bill of Lading/receiving documents for up to date shipping information.
TDG Class Not available.

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: Diethylene glycol ethyl ether, Propylene Glycol, Sodium hydroxide
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Diethylene glycol ethyl ether, Propylene Glycol, Sodium hydroxide
SARA 313 toxic chemical notification and release reporting: Diethylene glycol ethyl ether
Clean Water Act (CWA) 311: Sodium hydroxide
CERCLA: Hazardous substances.: Diethylene glycol ethyl ether, Sodium hydroxide

State New Jersey spill list: Sodium hydroxide
New Jersey: Diethylene glycol ethyl ether, Sodium hydroxide
Massachusetts spill list: Sodium hydroxide
Massachusetts RTK: Sodium hydroxide
Pennsylvania RTK: Diethylene glycol ethyl ether, Propylene Glycol, 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 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 1.02

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