


EXPOSE II 256

National Fire Protection Association (NFPA)	<div><div>Fire Hazard</div><div>Health</div><div>Reactivity</div><div><div>3</div><div>1</div><div>0</div></div></div>	Hazardous Material Information System (HMIS)	<table><tr><td>Health</td><td>3</td></tr><tr><td>Fire Hazard</td><td>1</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health	3	Fire Hazard	1	Reactivity	0
Health	3								
Fire Hazard	1								
Reactivity	0								
Specific Hazard									
Protective Clothing		Emergency Overview	Green. 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	EXPOSE II 256	Code	5699
Product Use	Industrial/Institutional: Disinfectant.	PMS#	436694
MSDS#	115693001	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	04/20/2000
		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
Isopropyl Alcohol	67-63-0	1-5	TWA: 980 STEL: 1225 (mg/m ³) from OSHA (PEL) [United States] TWA: 983 STEL: 1230 (mg/m ³) from ACGIH (TLV) [United States]	ORAL (LD50): Acute: 5045 mg/kg [Rat]. DERMAL (LD50): Acute: 12800 mg/kg [Rabbit]. VAPOR (LC50): Acute: 16000 ppm 8 hours [Rat].
Sodium Hydroxide	1310-73-2	1-5	CEIL: 2 (mg/m ³) from OSHA (PEL) [United States] STEL: 2 (mg/m ³) from ACGIH (TLV) [United States]	Not available.
Ethylene Glycol	107-21-1	5-10	CEIL: 100 (mg/m ³) from OSHA (PEL) [United States] CEIL: 100 (mg/m ³) from ACGIH (TLV) [United States]	ORAL (LD50): Acute: 4700 mg/kg [Rat]. DERMAL (LD50): Acute: 10612 mg/kg [Rabbit].
Ortho-Benzyl-Para-Chlorophenol	120-32-1	10.5	Not available.	ORAL (LD50): Acute: 1700 mg/kg [Rat].
Ortho-Phenylphenol	90-43-7	10.5	Not available.	ORAL (LD50): Acute: 2000 mg/kg [Rat]. 1050 mg/kg [Mouse].

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 plenty of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Notes to Physician	Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

Section 5. Fire Fighting Measures

Flammability of the Product	Although this product has a flash point below 200 Deg. F, it is an aqueous solution containing an alcohol and does not sustain combustion.
Flash Points	CLOSED CUP: 53°C (127.4°F).
Products of Combustion	None known.
Fire Fighting Media and Instructions	Use water spray to keep fire-exposed containers cool. Dry chemical, carbon dioxide.
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	Eliminate all ignition sources. In the event of major spillage: Use appropriate containment to avoid environmental contamination. Take up with sand or other non-combustible material. Place in suitable clean, dry containers for disposal by approved methods.

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 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	
Eyes	Chemical splash goggles.
Hands	Chemical resistant gloves. Includes: Neoprene gloves. Rubber gloves.
Respiratory	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.
Feet	Protective footwear.
Body	If major exposure is possible, wear suitable protective clothing and footwear.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.
Odor	Pine.
Color	Green.
pH	12 to 13.5 [Basic.]
Specific Gravity	1.11
Boiling/Condensation Point	>100°C (212°F)

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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 oxidizing agents, acids. Do not mix with any other chemicals or products unless specified by label.
Hazardous Decomposition Products	When exposed to fire: Produces normal products of combustion.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Acute toxicity	Corrosive. INHALATION (LC50) Greater than 3000 mg/kg (rat). 4 hrs.
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.
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Section 14. Transport Information

DOT Classification	
DOT Proper Shipping Name	Corrosive liquid, basic, inorganic, n.o.s. (Phenols)
DOT Class	Class 8: Corrosive material
UN/NA	UN3266
Packing Group	III
TDG Classification	
TDG Class	Not applicable.
TDG Special Considerations	

Section 15. Regulatory Information

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

US Regulations

Federal	SARA 313 toxic chemical notification and release reporting: Ethylene Glycol, Isopropyl Alcohol Clean Water Act (CWA) 311: Sodium Hydroxide CERCLA: Hazardous substances.: Ethylene Glycol, Sodium Hydroxide, Isopropyl Alcohol
State	New Jersey spill list: Ethylene Glycol, Sodium Hydroxide, Isopropyl Alcohol New Jersey: Ethylene Glycol, Sodium Hydroxide, Isopropyl Alcohol, Biphenyl-2-ol Massachusetts spill list: Sodium Hydroxide, Isopropyl Alcohol Massachusetts RTK: Ethylene Glycol, Sodium Hydroxide, Isopropyl Alcohol, Biphenyl-2-ol Pennsylvania RTK: Ethylene Glycol, Sodium Hydroxide, Isopropyl Alcohol, Biphenyl-2-ol This product is not subject to the reporting requirements under California's Proposition 65.

Registered Product Information	EPA Registration Number: 70627-6
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Canadian Regulations

Canadian NPRI	Not applicable.
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WHMIS Classification Not applicable.

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 This product contains less than 0.2% or less Trisodium Salt of Nitrilotriacetic Acid (CAS# 5064-31-3).

Version 1

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