

SPITFIRE SC POWER CLEANER

National Fire Protection Association (NFPA)	Fire Hazard Health Reactivity	Hazardous Material Information System (HMIS)	<table><tr><td>Health</td><td>2</td></tr><tr><td>Fire Hazard</td><td>0</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health	2	Fire Hazard	0	Reactivity	0
Health	2								
Fire Hazard	0								
Reactivity	0								
Specific Hazard									
Protective Clothing 	Emergency Overview	Red. Liquid. See Section 9. WARNING: HARMFUL IF SWALLOWED. CAUSES EYE IRRITATION.							

Section 1. Chemical Product and Company Identification

Product Name	SPITFIRE SC POWER CLEANER	Code	3723 & 4966 & 3063568 & 3165361
Product Use	Industrial/Institutional: Cleaning product. This product is intended to be diluted prior to use.	PMS#	3104956
MSDS#	113703002	Validation Date	7/29/2003
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	7/29/2003
		Supersedes	7/22/2003.
		In Case of Emergency	(800) 851-7145

Section 2. Composition and Information on Ingredients

Ingredients	CAS #	% by Weight	Exposure Limits	LC50/LD50
Potassium Hydroxide	1310-58-3	1-5	OSHA (United States). CEIL: 2 mg/m ³ ACGIH (United States). STEL: 2 mg/m ³	ORAL (LD50): Acute: 365 mg/kg [Rat]. 273 mg/kg [Male. Rat].
Ethylenediaminetetraacetic Acid	60-00-4	1-5	Not available.	Not available.
Ethoxylated Alcohol	68551-12-2	1-5	Not available.	Not available.
Monoethanolamine	141-43-5	5-10	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	ORAL (LD50): Acute: 1720 mg/kg [Rat]. DERMAL (LD50): Acute: 1018 mg/kg [Rabbit].
Propylene Glycol	57-55-6	10-30	Not available.	ORAL (LD50): Acute: 20000 mg/kg [Rat]. DERMAL (LD50): Acute: 20800 mg/kg [Rabbit].
2-Butoxyethanol	111-76-2	25-35	OSHA (United States). TWA: 120 mg/m ³ ACGIH (United States). TWA: 97 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]. Not available.
Water	7732-18-5	30-60	Not available.	Not available.

Section 3. Hazards Identification

Routes of Entry	Eye contact. Skin contact. Inhalation.
Potential Acute Health Effects	
<i>Eyes</i>	May be severely irritating to eyes.
<i>Skin</i>	May be mildly irritating to skin.
<i>Inhalation</i>	May be irritating to nose, throat, and respiratory tract.
<i>Ingestion</i>	Harmful if swallowed. May cause kidney and central nervous system effects. Effects include: headache, nausea and dizziness. May cause abdominal discomfort, nausea, vomiting and diarrhea.

Medical Conditions Persons with pre-existing skin disorders may be more susceptible to irritating effects.
Aggravated by Overexposure:

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.
Skin Contact	Flush immediately with plenty of water for at least 15 minutes. Get medical attention.
Inhalation	If breathing is difficult: Remove to fresh air. Get medical attention.
Ingestion	Immediately drink one cupful of water or milk. Call medical attendant, medical doctor, or poison control center 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	None known.

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	Protect from freezing. Store in a dry, cool and well-ventilated area. KEEP OUT OF REACH OF CHILDREN.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	No special ventilation requirements. General room ventilation is adequate.
Personal Protection	
Eyes	Safety glasses with side shields.
Hands	For prolonged or repeated contact with skin: Chemical resistant gloves.
Respiratory	No special requirements under normal use conditions.
Feet	No special requirements under normal use conditions.
Body	If major exposure is possible, wear suitable protective clothing.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.
Odor	Fresh.
Color	Red. (Dark.)
pH	>13 [Basic.]
Specific Gravity	1.02
Boiling/Condensation Point	74°C (165.2°F)

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Melting/Freezing Point	<-1°C (30.2°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.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Acute toxicity	Acute oral toxicity (LD50) Estimated to be greater than 2000 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	No special precautions. 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.
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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	Clean Water Act (CWA) 311: Potassium hydroxide, Ethylenediaminetetraacetic Acid CERCLA: Hazardous substances.: Potassium hydroxide, Ethylenediaminetetraacetic Acid, 2-Butoxyethanol
State	New Jersey spill list: Potassium hydroxide, Ethylenediaminetetraacetic Acid, 2-Butoxyethanol New Jersey: Monoethanolamine, Potassium hydroxide, Ethylenediaminetetraacetic Acid, 2-Butoxyethanol Massachusetts spill list: Monoethanolamine, Potassium hydroxide, Ethylenediaminetetraacetic Acid, 2-Butoxyethanol Massachusetts RTK: Monoethanolamine, Potassium hydroxide, Ethylenediaminetetraacetic Acid, 2-Butoxyethanol Pennsylvania RTK: Propylene Glycol, Monoethanolamine, Potassium hydroxide, Ethylenediaminetetraacetic Acid, 2-Butoxyethanol

This product is not subject to the reporting requirements under California's Proposition 65.

Registered Product Information Not applicable.

Canadian Regulations

Canadian NPRI Canadian NPRI: 2-Butoxyethanol.

WHMIS Classification Class D-2B: Material causing other toxic effects (TOXIC).

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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