JohnsonDiversey
Clean is just the beginning

Material Safety Data Sheet

DIVERFLOW DB

National Fire Protection Association (NFPA)

Fire Hazard

Health

Reactivity

Specific Hazard

Hazardous Material Information System (HMIS)

Health	3
Fire Hazard	0
Reactivity	0

Protective Clothing

Emergency Overview Colorless to light yellow. 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	**DIVERFLOW DB**	**Code**	3347691 & 3347683
Product Use	Industrial/Institutional	**PMS#**	Not available.
MSDS#	01306-00	**Validation Date**	4/27/2004
		Print Date	4/27/2004
		Supersedes	4/27/2004.
		In Case of Emergency	(800) 851-7145

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Section 2. Composition and Information on Ingredients

Ingredients	CAS #	% by Weight	Exposure Limits	LC50/LD50
Octenyl succinic acid Water Phosphoric acid	28805-58-5 7732-18-5 7664-38-2	5-10 30-60 10-30	Not available. Not available. **ACGIH (United States).** TWA: 1 mg/m^3 STEL: 3 mg/m^3 **ACGIH TLV (United States, 2003). Notes:** STEL: 3 mg/m^3 15 minute(s). TWA: 1 mg/m^3 8 hour(s). **NIOSH REL (United States, 2001). Notes:** STEL: 3 mg/m^3 15 minute(s). TWA: 1 mg/m^3 10 hour(s). **OSHA PEL (United States, 1993). Notes:** TWA: 1 mg/m^3 8 hour(s). **OSHA PEL 1989 (United States, 1989). Notes:** STEL: 3 mg/m^3 15 minute(s). TWA: 1 mg/m^3 8 hour(s).	Not available. Not available. ORAL (LD50): Acute: 1530 mg/kg [Rat]. DERMAL (LD50): Acute: 2740 mg/kg [Rabbit]. VAPOR (LC50): Acute: >850 mg/m^3 1 hour(s) [Rat].
Sulphuric Acid	7664-93-9	0.1-1	**OSHA (United States).** TWA: 1 mg/m^3 **ACGIH (United States).** TWA: 1 mg/m^3 STEL: 3 mg/m^3 **ACGIH TLV (United States,**	ORAL (LD50): Acute: 2140 mg/kg [Rat]. VAPOR (LC50): Acute: 510 mg/m^3 2 hour(s) [Rat].

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			2003). Notes: 1996 Adoption Refers to Appendix A -- Carcinogens. Sulfuric acid contained in strong inorganic acid mists STEL: 3 mg/m^3 15 minute(s). TWA: 1 mg/m^3 8 hour(s). **NIOSH REL (United States, 2001). Notes:** TWA: 1 mg/m^3 10 hour(s). **OSHA PEL (United States, 1993). Notes:** TWA: 1 mg/m^3 8 hour(s). **OSHA PEL 1989 (United States, 1989). Notes:** TWA: 1 mg/m^3 8 hour(s).	
Phosphate ester		1-5	Not available.	Not available.

Section 3. Hazards Identification

Routes of Entry	Eye contact. Ingestion. Inhalation. Skin 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	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).

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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	
Eyes	Chemical splash goggles.
Hands	Chemical resistant 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	Slight.
Color	Colorless to light yellow.
pH	0.5 [Acidic.]
Specific Gravity	1.2
Boiling/Condensation Point	>100°C (212°F)
VOC	0 %
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, alkalis. Slightly reactive to reactive with oxidizing agents.
Hazardous Decomposition Products	None known.
Hazardous Polymerization	Will not occur.

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Section 11. Toxicological Information

Acute toxicity	Estimated to be between 2500 and 5000 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

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	Not a TDG controlled material.

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: Phosphoric acid
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Phosphoric acid
Clean Water Act (CWA) 311: Phosphoric acid
CERCLA: Hazardous substances.: Phosphoric acid

State
New Jersey spill list: Phosphoric acid
New Jersey: Phosphoric acid
Massachusetts spill list: Phosphoric acid
Massachusetts RTK: Phosphoric acid
Pennsylvania RTK: Phosphoric acid

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: Phosphoric acid.

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

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Section 16. Other Information

Other Special Considerations	Not available.
Version	2

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