





Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

 WHMIS (Pictograms)	WHMIS CLASS D-2: Material causing other toxic effects. WHMIS (Classification)	HCS CLASS: Irritating substance. HCS
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Section 1. Chemical Product and Company Identification

Product Name/ Trade name	pH7 Ultra	Code	178
Synonym	Neutral Cleaner	CAS #	Not applicable.
Chemical Family	N/A	Validation Date	3/22/2004
Chemical Formula	Not applicable.	Print Date	3/27/2004
Manufacturer/ Supplier	Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (419) 241-2156	In Case of Emergency	Chemtrec (800) 424-9300
TSCA	TSCA Inventory: All components listed or are exempt from listing.		
DSL/ NDSL	All components listed unless noted elsewhere on this MSDS		
Protective Clothing 			

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
1) Nonionic Surfactant	9016-45-9	<10	Not available.	Not available.
2) Tetrasodium salt of ethylenediaminetetraacetic acid	64-02-8	<5	Not available.	ORAL (LD50): Acute: 3030 mg/kg [Rat].
3) Sodium Xylene Sulfonate	1300-72-7	<5	Not available.	ORAL (LD50): Acute: 650 mg/kg [Rat]. 5939 mg/kg [Mouse].

Section 3. Hazards Identification

Potential Acute Health Effects	No specific information is available in our database regarding the acute toxic effects of this material for humans.
Potential Chronic Health Effects	Repeated skin exposure can produce local skin destruction, or dermatitis.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures

Eye Contact	This product is an eye irritant. In case of contact with eyes, rinse immediately with plenty of water. Seek medical attention.
Skin Contact	Rinse with plenty of running water.
Inhalation	No specific data.
Ingestion	May be irritating to gastrointestinal system, mouth, throat, and esophagus. Vomiting and diarrhea expected with large doses. Have conscious person drink several glasses of water or milk. Seek medical attention.

Section 5. Fire Fighting Measures

Products of Combustion	Not available.
Fire Fighting Media and Instructions	Non-flammable substance.
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	No additional remark.

Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 7. Handling and Storage

Precautions	Avoid contact with eyes. DO NOT ingest.
Incompatibility	No incompatible product according to our data base.
Storage	Keep out of reach of children. Keep container tightly closed and dry. For Institutional and Commercial Use

Section 8. Exposure Controls/Personal Protection

Engineering Controls Good general ventilation should be sufficient to control airborne levels.

Personal Protection

Eyes Safety glasses.

Body No special protective clothing is required.

Respiratory Not applicable.

Hands Gloves.

Protective Clothing (Pictograms)



Exposure Limits Not available.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Pleasant.
Molecular Weight	Not applicable.	Taste	Not available.
pH	7 to 8.5 [Basic.]	Color	Yellow.
Boiling/Condensation Point	100°C (212°F)		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	1 (Water = 1)		

Vapor Pressure	20 mm of Hg (@ 20°C)
Vapor Density	>1 (Air = 1)
Volatility	Not available.
VOC	8.5077 (g/l).
Evaporation Rate	<1
Dispersion Properties	See solubility in water.
Solubility	Soluble
The Product is:	May be combustible at high temperature.
Auto-ignition Temperature	Not available.
Flash Points	None to Boiling (TCC)
Flammable Limits	N/A
Fire Hazards in Presence of Various Substances	No specific information is available in our database regarding the flammability of this product in presence of various materials.
Explosion Hazards in Presence of Various Substances	No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	No incompatible product according to our data base.
Hazardous Decomposition Products	None Known

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 3030 mg/kg [Rat]. (Tetrasodium EDTA).
Acute Effects on Humans	
	<i>Eyes</i> This product is an eye irritant.
	<i>Skin</i> Slightly irritating
	<i>Inhalation</i> Not available.
	<i>Ingestion</i> Irritant. Vomiting and Diarrhea possible
Chronic Effects on Humans	Repeated skin exposure can produce local skin destruction, or dermatitis.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.

Section 12. Ecological Information

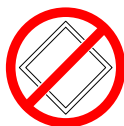
Ecotoxicity	Not available.
BOD5 and COD	Not Available
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

Section 14. Transport Information

DOT (U.S.A)
(Pictograms)



TDG Classification Not controlled under TDG (Canada).



PIN UN, Proper Shipping Name, PG Not applicable.

Maritime Transportation Not available.

Special Provisions for Transport Not applicable.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) WHMIS CLASS D-2: Material causing other toxic effects.



Regulatory Lists No products were found.

Other Regulations Not available. or of its ingredients

Other Classifications

HCS (U.S.A.)

HCS CLASS: Irritating substance.

USA Regulatory Lists

California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Ethylene Oxide < 1 ppm
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Ethylene Oxide < 1 ppm
Massachusetts RTK: Ethylene Oxide
SARA 311/312: Sodium xylene sulfonate; Nonionic Surfactant
SARA 313: No components found

DSD (EEC)

This product is not classified according to the EU regulations.

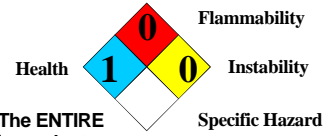
International Regulations Lists

No products were found.

Hazardous Material Information System (U.S.A.)

Health	1
Flammability	0
Physical Hazard	0

National Fire Protection Association (U.S.A.)



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Validated by CRushton on 3/22/2004.

Verified by CRushton.

Printed 3/27/2004.

Information Contact Betco Corporation
1001 Brown Avenue
Toledo, Ohio 43607

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Validated on 3/22/2004.

pH7 Ultra

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