



FIBERFRESH® ULTRACLEAN ENZYME EXTRACTION CLEANER

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
SPECIFIC HAZARD	

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: **FiberFresh® Ultra Clean Enzyme Extraction Cleaner** Product Use: Carpet care
 Product Number: 23475, 23472
 Formula Code: F1173
 Manufacturer/Supplier: **ServiceMaster™/MC Clean**
 Address: **3839 Forest Hill Irene Rd.**
Memphis, TN, USA, 38125
 Telephone: **1-800-756-5656 (ServiceMaster™/MC Clean)**
Emergency Phone: U.S. and Canada – 1-800-535-5053 (INFOTRAC)

SECTION II – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	OSHA-PEL	ACGIH-TLV	LC 50	LD 50
Sodium tripolyphosphate	7758-29-4	40 – 70	N/A	N/A	N/A	3900 mg/kg oral, rat
Sodium carbonate	497-19-8	5 - 10	10 mg/m ³	10 mg/m ³	2300mg/m ³	2h 4090 mg/kg oral, rat
2-Butoxyethanol	111-76-2	3 - 7	20 ppm Skin	20 ppm Skin	450 ppm 4 h, rat	470 mg/kg oral, rat
Sodium dodecylbenzene Sulfonate	25155-30-0	3 - 7	10 mg/m ³	10 mg/m ³	N/A	1260 mg/kg oral, rat
Sodium lauryl sulfate	151-21-3	1 - 5	10 mg/m ³	10 mg/m ³	N/A	1288 mg/kg oral, rat
Sodium metasilicate	6834-92-0	1 - 5	10 mg/m ³	10 mg/m ³	N/A	600 mg/kg oral, rat
Subtilisin protease enzyme	9014-01-1	0.1 – 1	0.00006 mg/m ³ C	0.00006 mg/m ³ C	N/A	2000 mg/kg oral, rat

N/A = Not Available

SECTION III - PHYSICAL DATA

Boiling Point (°F): Not applicable Specific Gravity (H₂O = 1): Not available
 Vapor Pressure (mm Hg): Not applicable % Volatile (Wt %): Not available
 Vapor Density (Air = 1): Not applicable Evaporation Rate (Ether = 1): Not applicable
 Solubility in Water: Complete pH (1%): 10.75 - 11.25
 Physical State: Solid Viscosity: Not applicable
 Appearance; Odor: White-light yellow; floral Odor Threshold (ppm): Not available

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Not flammable by WHMIS/OSHA criteria.
 Flash Point (°F, TCC): None LEL: Not applicable UEL: Not applicable
 Hazardous Combustion Products: May include and are not limited to oxides of carbon, phosphorous, and sulfur.
 Autoignition Temperature (°F): Not applicable
 Means of Extinction: Treat for surrounding material.
 Special Fire Hazards: Firefighters should wear self-contained breathing apparatus.

SECTION V - REACTIVITY DATA

Conditions for Chemical Instability: Stable. Incompatible Materials: Acids, oxidizers, metals.
 Reactivity, and Under What Conditions: Do not mix with anything but water. Reacts vigorously with acids. Reacts with soft metals such as aluminum and zinc producing flammable hydrogen gas. Do not add water directly to dry product; will cause spattering. Slowly stir product into cold water.

Hazardous Decomposition Products: May include and are not limited to oxides of carbon, oxides of phosphorous, oxides of sulfur when heated to decomposition.

SECTION VI - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE: Eye: Causes chemical burns. May cause eye damage.

Skin: Causes chemical burns. Harmful contact may not cause immediate pain. May be absorbed through the skin.

Inhalation: May cause respiratory tract irritation.

Ingestion: Harmful if swallowed. Causes chemical burns to mouth, throat and stomach.

EFFECTS OF CHRONIC EXPOSURE: Skin: Prolonged or repeated exposure to dilutions can cause drying, de-fatting and dermatitis. 2-Butoxyethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged; may cause blood damage based on published data; these effects have not been observed in humans.

Irritancy: Hazardous by WHMIS/OSHA criteria.

Respiratory Tract Sensitization: Hazardous by WHMIS/OSHA criteria. Contains a potential respiratory sensitizer, (Subtilisin protease enzyme).

Carcinogenicity: Non-hazardous by WHMIS/OSHA criteria.

Teratogenicity, Mutagenicity, Reproductive Effects: No data available.

Synergistic Materials: Not available.

SECTION VII- PREVENTATIVE MEASURES

Gloves: Rubber gloves. Confirm with a reputable supplier first. Eye Protection: Chemical splash goggles.

Respiratory Protection: Not normally required if good ventilation is maintained. A NIOSH approved N95 dust mask is recommended for use where ventilation or engineering controls do not provide adequate protection.

Other Protective Equipment: As required by employer code. Engineering Controls: General ventilation normally adequate.

Leak and Spill Procedure: Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

Waste Disposal: Review federal, provincial, and local government requirements prior to disposal.

Storage and Handling: Keep out of reach of children. Store in a closed container away from incompatible materials. Store in a cool, dry well-ventilated area.

SECTION VIII - FIRST AID

Eye: Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.

Skin: Brush away excess of dry material. Immediately flush with cool water for 15 minutes. Obtain medical attention if irritation persists.

Inhalation: If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion: Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

SECTION IX – REGULATORY INFORMATION

WHMIS Class: Class E - Corrosive Material

Class D - Division 2A - Contains a potential respiratory tract sensitizer.

T.D.G. Classification: Corrosive solid, basic, inorganic, n.o.s. (sodium metasilicate), 8, UN3262, PG III

D.O.T. Classification: NOT REGULATED

DSL/NDSL - All ingredients are listed.

OSHA - MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).

SARA - Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 - No ingredients above reportable quantities.

Toxic Substances Control Act (TSCA) - All ingredients are listed or exempt from listing on Chemical Substance Inventory.

California Proposition 65 – No ingredients listed.

SECTION X - PREPARATION INFORMATION

Date: 12/19/2014 MSDS Prepared by: ServiceMaster™ Clean

Disclaimer: Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of OSHA/WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form.