



Maintenance Solutions

Powerhouse

High Foaming Meatroom Degreaser



DESCRIPTION

This product is designed to penetrate, lift and dissolve heavily encrusted soils on hard surfaces and for the removal of fats, greases, protein based soils, food residues and blood from all vertical and horizontal surfaces. It is especially useful in all food processing areas. Its high foaming properties allow it to cling to all surfaces, providing excellent emulsification. May be used on equipment, walls, tables, and floors. Non-flammable, non-toxic and free-rinsing. May also be used in a

For Use On:

Floors	Food Processing	Stainless Steel
Walls	Equipment	Food Transport
Concrete	Tile and Grout	Vehicles
Showers	Tables	

variety of non-food related cleaning operations where high detergency and foaming are desired in cleaning applications.

DIRECTIONS

PREPARATION: Remove or cover all food products in the area to be cleaned. Remove all heavy soil from surfaces and equipment. Pre-rinse the area using hot water applied by hose nozzle or high-pressure sprayer. Make up an undiluted solution in a plastic bottle and attach to a foam generator nozzle. Connect to a hot water hose using normal water pressure.

SPRAY APPLICATION:

Grills, grates, vent hoods and other caked-on soils-	2.5:1
Heavily soiled areas-	16:1
General equipment cleaning-	32:1
Lightly soiled areas-	64:1

Apply liberal amounts of foam to all surfaces to be cleaned and allow to stand for 5 to 10 minutes. (Do not allow foam to dry.)

RINSING: Rinse thoroughly with hot water, using either a high-pressure washer or hose. Allow all surfaces to air dry.

MANUAL CLEANING OF MEATROOM FLOORS: Dilute 6 ounces of concentrate per gallon of hot water and apply to floor with a mop or sponge. Allow product to penetrate soil then scrub with a brush or floor machine, if available. Pick-up and rinse thoroughly with hot water.

HAND CLEANING OF KITCHEN FLOORS: Dilute 2 ounces of concentrate per gallon of hot water. Dip mop into the solution and wring out. Mop solution onto surface to be cleaned. Rinsing may not be required.

SOAK CLEANING: To soak clean filters, utensils, equipment- dilute 1 part cleaner with 15 or 20 parts water. Soak. Use brush or sponge as necessary. Rinse thoroughly.

PRODUCT SPECIFICATIONS

Active Ingredients:	18.0 ± 0.5%	Emulsification:	Excellent
Color:	Clear	Detergency:	Excellent
Odor:	Mild	Rinsability:	Excellent
pH:	12.3 -12.8	Flash Point:	None (waterbased)
Viscosity:	Water thin	Biodegradability:	Complete
Foam:	High and stable	Storage/Stability:	2 years
Abrasives:	None	Weight per Gallon:	8.93 lbs./gal.
Solubility:	Complete with water	Freeze / Thaw Stability:	Keep from freezing

Food Service Products

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Manufacturer's Name: Misco Products Corporation Manufacturer's Address: 1048 Stinson Drive Reading, PA 19605 Manufacturer's Phone #: (610) 926-4106	Product Name: Powerhouse Generic Name: High Foaming Meatroom Degreaser Chemical Family: Detergent Blend Formula: Proprietary
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SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Sodium Hydroxide	1310-73-2	0 to 5	N/A	C2mg/M ³	N/A
Anionic Surfactant	68081-81-2	0 to 5			
Amine Oxide	2605-78-9	0 to 5			
Diethylene Glycol Butyl Ether	112-34-5	5 to 10	N/A	N/A	
Tetrasodium EDTA`	64-02-8	0 to 5			
Sodium Metasilicate	6834-92-0	5 to 10			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 210 F. **Specific Gravity:** 1.070
Vapor Pressure: 20mm Hg @ 68 F. **Vapor Density (Air=1):** >1
% Volatile: 80+ **pH:** 12.3-12.8
Solubility in Water: Complete **Evaporation Rate (Water=1):** <1
Physical Description: Thin clear liquid with characteristic odor.

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
Upper Explosion Limit: N/A **Lower Explosion Limit:** N/A
Extinguishing Media: N/A
Special Firefighting Procedures: Non Flammable
Unusual Fire and Explosion Hazards: N/A

SECTION 5-REACTIVITY DATA

Stability: Stable **Hazardous Polymerization:** None
Hazards Decomposition Products: Alkaline vapors in a fire. **Incompatibility (Materials to Avoid):** Strong acids

SECTION 6-STORAGE AND HANDLING INFORMATION

Keep out of reach of children. For use by trained personnel only. Keep unauthorized personnel away when using product. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Wear protective eyewear and rubber gloves when handling concentrate or using dilute product. Avoid breathing of Mists. Use in well-ventilated area at all times.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Skin irritant. Defatting to skin which may lead to irritation and/or dermatitis.
Eyes: Severe eye irritant. Liquid and mists may damage eyes, causing corneal damage.
Inhalation: Vapors and mists may be irritating to mucous membranes in the nose, throat, and lungs.
Ingestion: Irritating and corrosive to the mouth and throat. May cause headache, nausea, abdominal pain, vomiting, and diarrhea. Excessive amounts may cause collapse.

First Aid Procedures:

Skin: Flush with water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention if irritation persists.
Inhalation: Get to fresh air. Seek medical attention if irritation persists.
Ingestion: Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use in well-ventilated area.
Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
Protective Gloves: Chemical resistant rubber or neoprene.
Eye Protection: Safety glasses, face shield or chemical splash goggles.
Other Protective Equipment: Eyewash should be available. Protective outerwear (rubber rainsuit) when danger of mist contact may occur. Protective footwear (e.g. rubber boots) when using material on floors or danger of contact may occur.

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.
Waste Disposal Method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories:
 No - Fire Hazard
 No - Sudden Release of Pressure Hazard
 No - Reactivity Hazard
 Yes - Immediate (acute) Health Hazard
 No - Delayed (chronic) Health Hazard

Shipping Information:
 FOR CONTAINERS > 1 Gallon : Cleaning Compound
 FOR 1 GALLON CONTAINERS : Cleaning Compound
 FOR CONTAINERS < 1 GALLON : Cleaning Compound

HMIS Hazardous Materials Identification System

Health	2
Flammability	0
Reactivity	0
Personal Protection	D

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product