

MIGHTY MAC BRAND

Environmentally Friendly

EF Super Duty Degreaser RTU

MICHCO



Sustainable
Certified

DESCRIPTION

Formulated using MicroEmulsion 3G Technology
A **biodegradable**, ready to use super duty “green chemistry” based **cleaner-degreaser** that dissolves oil and protein based soils better than conventional butyl-based products. Recommended for use on all **food processing equipment** and food service areas. May also be used on walls, desks, tables and **other hard surfaces**. Non-flammable, non-toxic, and contains **no solvents**.

This super duty ready to use degreaser is formulated with a sunshine pleasant fragrance.

DIRECTIONS

FOR GENERAL CLEANING:

1. Simply spray onto soiled surface.
2. Wipe off with a clean absorbent cloth, towel, micro fiber or damp sponge.

FOR FOOD PROCESSING AREAS and EQUIPMENT

1. Simply spray onto soiled surface and allow to stand a few moments. Surfaces that come in direct contact with food products require a **potable water rinse**; otherwise rinsing is not usually necessary.

FOR HEAVY DUTY DEGREASING and INDUSTRIAL CLEANING

1. Simply spray onto soiled surface and allow to stand at least 5 minutes.
2. Scrub or brush thoroughly and rinse with clean water.

PRODUCT SPECIFICATIONS

Color:	Slight hazy purple
Fragrance:	Sunshine pleasant
pH:	11.0 – 12.0
Viscosity:	Water thin
Foam:	Moderate
Detergency:	Excellent
Biodegradability:	Complete
Solubility:	Complete with water
Flash Point:	None
Storage/Stability:	1 year
Freeze/Thaw Stability:	Keep from freezing
Weight Per Gallon:	8.36 lbs. per gallon



Reorder#
95-0515



SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: EF Super Duty Degreaser RTU
Generic Name: Degreaser
Chemical Family: Detergent Blend
Formula: Proprietary

Suppliers Name: Michco
Suppliers Address: 2011 N. High St., Lansing, MI 48906
Suppliers Website: www.Michco.com

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Deionized Water	7732-18-5	to 100			
Sodium Metasilicate	6834-92-0	0 to 5			
Linear Alcohol Ethoxylate	68439-46-3	0 to 5			
Sodium Iminodisuccinate	144538-83-0	0 to 5			
Monoethanolamine	141-43-5	0 to 5			
Fragrance	N/A	< 1.0			
Dye	N/A	, 0.1			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 212 F.
Vapor Pressure: 20mm Hg @ 68 F.
% Volatile: 85+
Solubility in Water: Complete
Physical Description: Thin slightly hazy purple liquid with characteristic odor.
VOC Content: None

Specific Gravity: 1.002
Vapor Density (Air=1): >1
pH: 11.0 – 12.0
Evaporation Rate (Water=1): <1

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None (waterbased)
Upper 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

Hazards Decomposition Products: Alkaline vapors in a fire.

Hazardous Polymerization: None

Incompatibility (Materials to Avoid): Strong acids.

SECTION 6-STORAGE AND HANDLING INFORMATION

CAUTION: Eye Irritant. May cause skin irritation with prolong or repeated contact. Avoid contact with eyes, skin and clothing. Wear rubber gloves, chemical splash goggles when handling. Avoid breathing of mists. Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:

Skin: Slight skin irritant. Prolonged or repeated contact may cause redness, dermatitis.

Eyes: Eye irritant. Liquid and mists will cause tearing, redness, burning sensation.

Inhalation: Mists may be irritating to mucous membranes in the nose, throat, and lungs.

Ingestion: Irritating to the mouth and throat. May cause headache, nausea, abdominal pain, vomiting, and diarrhea.

First Aid Procedures:

Skin: Flush with water. Seek medical attention if irritation persists.

Eyes: Immediately flush with large quantities of water, holding eyelids open. Seek medical attention immediately.

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: General ventilation sufficient.

Protective Gloves: Chemical resistant rubber or neoprene.

Eye Protection: Safety glasses or chemical splash goggles.

Other Protective Equipment: Wear protective rubber footwear when using on floor. Wear protective outerwear when danger of mist 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 storm 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 of large quantities 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 > Cleaning Compound

FOR 1 GALLON CONTAINERS: Cleaning Compound

FOR CONTAINERS < 1 GALLON: Cleaning Compound

HMIS Hazardous Materials Identification System

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

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