# SAFETY DATA SHEET

Date Issued : 1/5/2015 SDS No : R12

#### elements Ready To Clean Super Duty Degreaser

#### 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: elements Ready To Clean Super Duty Degreaser GENERAL USE: Cleaner/Degreaser PRODUCT DESCRIPTION: Cleaner-Degreaser PRODUCT CODE: R12 CHEMICAL FAMILY: Detergent blend

#### MANUFACTURER

MISCO Products Corporation 1048 Stinson Drive Reading, PA 19605 Emergency Phone: 610-926-4106 Customer Service: 800-548-4568 Transportation: 800-548-4568

## 24 HR. EMERGENCY TELEPHONE NUMBERS

CHEM-TEL (Medical and Transportation): 800-255-3924 POISON CONTROL CENTER (Medical): 800-222-1222

#### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

Health:

Eye Irritation, Category 2B

#### GHS LABEL

SIGNAL WORD: WARNING

#### HAZARD STATEMENTS

H320: Causes eye irritation.

#### PRECAUTIONARY STATEMENT(S)

#### Prevention:

P262: Do not get in eyes, on skin, or on clothing.

- P264: Wash thoroughly after handling.
- P102: Keep out of reach of children.

#### Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

#### Storage:

P404: Store in a closed container.

#### Disposal:

P501: Dispose of contents/container in accordance with local, state and federal regulations.

#### EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Purple liquid.

**IMMEDIATE CONCERNS:** Eye irritant

#### POTENTIAL HEALTH EFFECTS

**EYES:** Contact causes eye irritation.

SKIN: May be mildly irritating with prolonged or repeated contact.

#### SKIN ABSORPTION: None Expected.

**INGESTION:** Although of moderate to low toxicity, ingestion of large amounts can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

**INHALATION:** None Expected.

#### **REPRODUCTIVE TOXICITY**

TERATOGENIC EFFECTS: None known.

CARCINOGENICITY: No listed substance

MUTAGENICITY: None known.

**ROUTES OF ENTRY:** Ingestion, eye

**CANCER STATEMENT:** No listed substance

WARNING CAUTION LABELS: None

PHYSICAL HAZARDS: None Expected.

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Secondary Alcohol Ethoxylate	0 - 1	84133-50-6
Monoethanolamine	0 - 1	141-43-5
Fragrance	0 - 1	N/A
Dye	< 0.1	N/A
Water	95 - 98	7732-18-5

#### 4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Burning sensation with tearing, redness.

**SKIN:** Prolonged contact may cause irritation marked by redness, slight burning sensation.

**INGESTION:** Stomach upset, vomiting.

**INHALATION:** Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

ACUTE TOXICITY: None known.

CHRONIC EFFECTS: No known significant effects or critical hazards.

#### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** NA = Not Applicable

EXTINGUISHING MEDIA: No special requirements.

EXPLOSION HAZARDS: None

FIRE FIGHTING PROCEDURES: NA = Not Applicable

#### 6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Avoid walking in product. Wipe up or otherwise flush small spills to sanitary sewer.

LARGE SPILL: Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water. ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid discharges into open waterways.

AIR SPILL: NA = Not Applicable

#### 7. HANDLING AND STORAGE

#### GENERAL PROCEDURES: Close container after use.

HANDLING: Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

STORAGE: Store in closed container in an area inaccessible to children.

**STORAGE TEMPERATURE:** Store at ambient temperatures.

**STORAGE PRESSURE:** Store at ambient atmospheric pressure.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSH	A PEL	ACGI	H TLV	Suppli	er OEL
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m³	ppm	mg/m³
Monoethanolamine	TWA	3	6	3	7.5	NL	NL
	STEL			6	15	NL	NL

**ENGINEERING CONTROLS:** No special requirements.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses with side shields.

SKIN: Rubber or other chemical resistant gloves.

**RESPIRATORY:** Where danger of mist contact may occur, wear NIOSH approved respiratory protection for mists.

PROTECTIVE CLOTHING: Chemical resistant outerwear (tyvek) if contact with spray or mist is anticipated.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid **ODOR:** Mild citrus **ODOR THRESHOLD:** Not Established COLOR: Purple **pH:** 11.5 to 12.5 PERCENT VOLATILE: >90 FLASH POINT AND METHOD: None FLAMMABLE LIMITS: N/A AUTOIGNITION TEMPERATURE: NA = Not Applicable VAPOR PRESSURE: ~ 20 mm Hg at (68°F) VAPOR DENSITY: > 1 Air = 1 BOILING POINT: 212° F; 100° C FREEZING POINT: 32° F; 0° C SOLUBILITY IN WATER: Complete EVAPORATION RATE: (Water =1) 1.0 **DENSITY:** 8.35 at (68°F) SPECIFIC GRAVITY: 1.001 grams/ml. VISCOSITY: Water thin.

#### 10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: No known significant effects or critical hazards.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Strong oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: None Expected.

**INCOMPATIBLE MATERIALS:** Strong oxidizers

#### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Secondary Alcohol Ethoxylate	> 412 mg/kg (rat)	> 14000 mg/kg (rabbit)	1.06 mg/l (Rat), Aerosol
Monoethanolamine	1089 mg/kg (rat)	2504 mg/kg (rabbit)	~ 1.48 mg/l

**EYES:** Not Established

**DERMAL LD**<sub>50</sub>: No known significant effects or critical hazards.

SKIN ABSORPTION: No known significant effects or critical hazards.

**INHALATION LC**<sub>50</sub>: No known significant effects or critical hazards.

**EYE EFFECTS:** Mild to moderate eye irritant.

SKIN EFFECTS: May irritate skin with prolonged or repeated contact.

CHRONIC: No known significant effects or critical hazards.

**IRRITATION:** Not Established

SENSITIZATION: No known significant effects or critical hazards.

NEUROTOXICITY: No known significant effects or critical hazards.

**REPRODUCTIVE EFFECTS:** No known significant effects or critical hazards.

MUTAGENICITY: No known significant effects or critical hazards.

#### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** No known significant effects or critical hazards.

ECOTOXICOLOGICAL INFORMATION: Not Established

AQUATIC TOXICITY (ACUTE): Not Established

#### **13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Small amounts (less than 5 gallons) may be disposed of in sanitary sewer. Consult local authorities for additional disposal information.

FOR LARGE SPILLS: Consult with local and state authorities for large volume disposal.

**PRODUCT DISPOSAL:** See above.

**EMPTY CONTAINER:** Rinse container with clear water. Offer container for recycling, or dispose of in trash.

**RCRA/EPA WASTE INFORMATION:** NA = Not Applicable

#### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Cleaning Compound, not regulated.

U.S. CUSTOMS HARMONIZATION NUMBER: 3402.90.10.00

#### **15. REGULATORY INFORMATION**

#### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Health - Acute

FIRE: No PRESSURE GENERATING: No REACTIVITY: No ACUTE: Yes CHRONIC: No

313 REPORTABLE INGREDIENTS: None

#### 302/304 EMERGENCY PLANNING

**EMERGENCY PLAN:** NA = Not Applicable

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: NA = Not Applicable

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA REGULATORY:** All ingredients are listed on the TSCA Chemical Inventory.

#### STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements		
Monoethanolamine	Massachusetts Right to Know Substance New Jersey Right To Know Substance New York Right to Know Substance Pennsylvania Right to Know Substance		

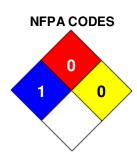
### CALIFORNIA PROPOSITION 65: No listed substance

CARCINOGEN: No listed substance

#### 16. OTHER INFORMATION

PREPARED BY: Regulatory Affairs Department





**MANUFACTURER DISCLAIMER:** 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 the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.