

Material Safety Data Sheet

Name and Address: Product Name: Prepared by: Date:

ESC-10[®] Heavy Duty Cleaner

Reliant Technologies, Inc.
2933 Hwy 1, North
Port Allen, Louisiana 70767

Barry Huggins 10/9/2003

Emergency Phone: Product Code
225-383-7923 D-4500

HMIS CODE INFORMATION: Health Flammability Reactivity Personal Protection
1 1 0 B

Section 1 - Hazardous Ingredients and Sara Title III Information

Reportable Components:

Ingredient:	% wt	CAS #	OSHA PEL / STEL	ACGIH TLV
Detergents and Builders	< 100	mixtures	none established	none established

*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT***

*** NO TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 3133 AND 40 CFR 372 ARE PRESENT***

*** CLASSIFIED AS NON-HAZARDOUS FOR USE IN SHIP'S STORES OR ON BOARD VESSELS UNDER COAST GUARD SECTION 49 CFR 171***

DOT Shipping Name:

Non-Regulated / ESC 10 Heavy Duty Cleaner

Notes

N/A = Not Applicable

TWA = Threshold Weighted Average

Section 2 - Physical and Chemical Characteristics

Boiling Point:	> 212 F	Vapor Density:	< 1 and > 0.0001	air = 1
Evaporation Rate:	~ 1 water = 1	Solubility in Water:	Negligible	
Appearance and Odor:	Clear liquid, with mild odor	Specific Gravity:	~ 1	
		pH	~ 13	

Section 3 - Fire and Explosion Data

Flash Point: N/A Method Used: N/A

Flammable Limits in Air, by Volume
Lower: None Established
Upper: None Established

Extinguishing Media: N/A This product will not burn

Special Firefighting Procedures: Metal containers of this product in the proximity of a fire present a risk, if exposed to enough heat. Use water spray to keep cool any metal containers that are exposed to heat and fire

Unusual Fire and Explosion Hazards: This product will not burn. However, it is water based, and in the proximity of a fire, if exposed to enough heat metal containers can explode as pressure is generated as the water turn to steam.

Section 4 - Physical Hazards and Reactivity Data

Stability: Stable

Conditions and Materials to Avoid: Avoid contact with strong oxidizers such as sodium nitrite, sodium nitrate, nitrate fertilizers, liquid chlorine, liquid oxygen, sodium hypochlorite (bleach), calcium hypochlorite (such as HTH, etc.), hydrogen peroxide potassium permanganate, etc., as they may react with the product.

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur

Section 5 - Health Hazards Data**Signs and Symptoms of Exposure:****Eye and Skin Contact and**

Absorption: Skin: Irritation and dermatitis. May cause dryness of the skin. This product are not easily absorbed through the skin.
Eyes: Irritation and redness. Prolonged contact with liquid may result in eye damage.

Ingestion: Ingestion is not likely, but will cause gastrointestinal distress, irritation, and possible nausea

Inhalation: Inhalation is not likely, but if it occurs, it can cause irritation of lungs and airway.

Medical Conditions Generally Aggravated by Exposure:

Skin and eye contact: dermatitis and skin problems; eye irritation

Inhalation: respiratory disorders

Carcinogen Information: These products contain no ingredients suspected of being carcinogens

IARC Monographs? No
NTP? No
OSHA? No

Emergency and First Aid Procedures:

Eyes: Flush with large amounts of water for at least 15 minutes, lifting eyelids. Get medical attention

Skin: Wash affected area with lage amounts of water, and remove soaked clothing

Ingestion: If ingested, do not induce vomiting; call physician and seek medical attention immediately

Inhalation: Remove to fresh air; give artificial resuscitation if not breathing. Call physician and seek medical attention immediately

Section 6 - Precautions and Spill Procedures

Handling and Storage Precautions: Do not store this product in metal containers, unless they are permanently vented. The best policy is to store this product only in plastic containers. Keep away from children. Keep away from excessive heat. Store in a dry area, and keep from freezing. If the product freezes, once it is thawed, it may be necessary to re-mix it, so that it returns to a homogenous mixture. For work on tanks which have been used to store this product, refer to OSHA regulation, ANSI Z 49.1, and / or other governmental and industrial references pertaining to cleaning, gas freeing, repairing, welding, or other contemplated operations where confined space entry may be required.

Steps to be taken if material is Released or Spilled: Absorb to prevent slippery surface, and flush the residue to the sewer.

Waste Disposal Method: Always dispose in accordance with all applicable Federal, State, and Local regulations

Section 7 - Special Protection Information and Control Measures

Respiratory Protection: None needed if adequate ventilation

Ventilation: Use local exhaust to capture vapor, mists, or fumes if necessary. Provide ventilation sufficient to prevent exceeding recommended exposure limits. Prevent smoking in the proximity of this product and any discharge of its vapors.

Eye Protection: Use splash goggles or face shield when eye contact may occur

Protective Gloves: Rubber or neoprene

Work and Hygienic Practices: Wash hands before eating or using the bathroom

Other protective equipment: Rubber boots and splash apron when deemed necessary

Disclaimer:

This safety information is provided to assist customers in assessing measures necessary for compliance with health, safety, and environmental regulations. Individuals handling this product should be informed of the recommended safety precautions, and should have access to this information. The information contained herein is based on available data, and is believed to be accurate. No guarantee or warranty is provided, since the use of this product is within the exclusive control of the user, and it is the user's responsibility to satisfy itself that this information is suitable and complete for its particular use. Customers are responsible for compliance with local, state, and federal regulations that may be pertinent in the storage, application, and disposal of this product.