

ENDEVPRO

4900 California Ave B-210

Bakersfield, CA 93309

[\(661\) 377-1847](tel:(661)377-1847)

24 HOUR EMERGENCY PHONE: [1-202-841-7149](tel:1-202-841-7149)

U.C.I. POISON CONTROL: [1-714-634-5988](tel:1-714-634-5988)

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Material Safety Data Sheet Eco Clean (661) Degreaser

This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community Right To Know emergency response requirements under SARA TITLE III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated into your MSDS.

This MSDS complies with 29 CFR 1910.1200 (The Hazard Communication Standard)

Section 1- PRODUCT IDENTIFICATION

Product Description: Liquid Industrial Degreaser

Product Use: This Product is a water based alkaline solution of surfactants. It is specifically formulated to remove crude oil, grease, and other common oilfield contaminants from equipment, tanks, tools, and the environment (including contaminated sand and water resulting from oil spills).

NFPA Codes: Health- 1 Flammability- 0 Corrosive- 0 Reactivity- 0

NFPA RATING: 0= Non-Hazardous 1= Slight Hazard 2= Hazardous 3= Extreme Hazard 4= Deadly

Section 2 – Composition/Information and Ingredients

The Product Eco Clean (661) is a surfactant blend designed to degrease and clean areas contaminated by petroleum, without damage to humans, animals, materials, or the environment. Principal components are readily biodegradable, and more than 90% of active ingredients are made up of carbon, hydrogen, oxygen, sodium, calcium, and sulfur.

The specific chemical names included in this formulation are being withheld under the trade secret provisions OSHA Standard 1910.1200 Appendix D.

Section 3 – Physical and Chemical Properties

Boiling Point for product: 250 Degrees Fahrenheit

Vapor pressure for product: .07 MMHG@20 D.C.

Vapor Density for product: 1.02 g/ml

Specific Gravity: 1.04

V.O.C.: (grams per liter) 4.9

R.O.C.: (grams per liter) 0.0

Water solubility: Infinite in fresh or salt water

Oil Solubility: Disperses

Appearance: Amber Aqueous Solution

pH: 9.89

Flash Point: Non-Flammable

Working Temperature: 245 Degrees Fahrenheit

Corrosion of Metals: Non-Corrosive

Biodegradability: High

Storage Stability: Stable in excess of 10 months. Store sealed containers in a cool location out of direct sunlight to prolong shelf life.

Section 4 – Fire and Explosion Data

Flammable Properties: This product is an aqueous solution and is not considered flammable, combustible, nor an oxidizing agent.

Explosive: Not Explosive

Suitable Extinguishing Media: CO₂, water, foam, dry chemical.

Unsuitable Extinguishing Method: Not Known

Specific Hazards arising from the chemical mixture: N/A

Special Protective Equipment and Precautions for Firefighters: No special firefighting or PPE needed.

Section 5 – Health Hazard Data

May cause eye, respiratory, skin, and gastrointestinal irritation. The product is not carcinogenic and is considered to be of very low toxicity.

Eco Clean (661) does not represent a severe danger to the human body. However, it should be rinsed with water from exposed skin to prevent delayed irritation. In case of prolonged contact, follow the procedures below.

Inhalation: Although the product does not emit harmful vapors, the inhalation of concentrated mists during spraying or washing operations may irritate the mucous membranes of the respiratory tract (throat, nose, and lungs). Generally these effects are temporary and reversible. If users experience burning sensations, runny nose, sore throat, chest pain, or shortness of breath, remove to fresh air immediately. If symptoms persist or reoccur, seek medical attention.

Eye Contact: Can cause temporary stinging and redness of the eyes. Flush with plenty of fresh water for 15 minutes holding eyelids open, lifting eyelids occasionally to ensure complete removal of the product. DO NOT allow rubbing of the eyes, or keeping eyes closed.

Skin Contact: Product is not normally a serious skin irritant, but some users may experience some redness. Rinse with soap and plenty of water for several minutes. Remove contaminated clothing. Seek medical attention if irritation persists.

Ingestion: Not expected to be acutely toxic. If large quantities are consumed, seek medical attention.

Section 6 – REACTIVITY DATA

Stability: Stable

Dangerous Decomposition Byproducts: None Known, 100% Biodegradable.

Polymerization: Does Not Occur

Conditions to Avoid: Avoid temperatures above 130 Degrees Fahrenheit.

Section 7 – Spill or Leak Procedures

In case of a spill, use an absorbent material to recover as much product as possible, then rinse the affected area with water to dilute the residue. Spills on soil will quickly biodegrade and are of little or no environmental concern. Disposal of left over product and used containers should be carried out in accordance with all local, state and federal regulations.

Section 8 – Personal Protective Equipment/Exposure Controls

In open spaces with adequate ventilation, personal protective equipment is not mandatory. However, use of gloves, masks to protect from spray, safety glasses, and non-slip boots are recommended for use. In confined spaces, workers should take the same precautions, being sure to provide adequate ventilation and respiratory protection to prevent inhalation of concentrated mist.

Respiratory Protection: In situations where concentrations exceed the recommended exposure limits, an approved organic vapor cartridge mask should be worn.

Eyes: Safety glasses or goggles should be worn in situations where heavy splash or thick mists are possible.

Gloves: Rubber or Neoprene gloves should be worn with direct or prolonged contact with product.

Section 9 – Storage and Handling

No special precautions are required but wash thoroughly after handling material. Wash hands before eating and avoid contact with eyes. If product freezes, allow it to completely thaw and stir thoroughly before use. Always ensure that containers and tanks are completely closed when not in use, especially if exposed to high temperatures. Long term storage should be between 35 and 130 Degrees Fahrenheit, out of direct sunlight if possible.

Section 10 – Toxicological Information

This formulation is considered to have low acute toxicity. No chronic health effects have been reported; no dangerous emissions, and no target organ or carcinogenic effects have been discovered.

Section 11 – Ecological Information

Because this product consists of biodegradable components, it is considered low-risk and non-hazardous in normal environmental concentrations. If discharged to the environment, dilute with water.

Section 12 – Disposal Considerations

Disposal should be in accordance with all local, state, and federal regulations. In most jurisdictions, it should not require hazardous material disposal.

Section 13 – Transport Information

This product is not considered hazardous for purposes of transportation by land, air, or sea.

Section 14 – Regulatory Information

This product has been evaluated and does not require warning under California Proposition 65.

ADDITIONAL COMMENTS

California Air Resource Board: This product complies with “**Regulations for reducing Volatile Organic Compound Emissions from Consumer Products**” for the State of California.

COMM.71

South Coast Air Quality Management District: This product complies with RULE 1171 from SCAQMD.

The above information is based on the date which we were aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.