



Yana Garcia
Secretary for
Environmental Protection



Department of Toxic Substances Control

Katherine M. Butler, MPH, Director
8800 Cal Center Drive
Sacramento, California 95826-3200
<https://dtsc.ca.gov/>



Gavin Newsom
Governor

CALIFORNIA ENVIRONMENTAL QUALITY ACT **NOTICE OF EXEMPTION**

To: Office of Land Use and Climate Innovation (LCI) State Clearinghouse P.O. Box 3044, 1400 Tenth Street, Room 212 Sacramento, California 95812-3044	From: Department of Toxic Substances Control Permitting Division 8800 Cal Center Drive Sacramento, California 95826
---	--

Project Title: Emergency Permit for Management of Hazardous Waste, Stanford University, Stanford, California

Project Location: 260 Panama Street, Stanford, California 94305

County: Santa Clara

Project Applicant: Chris Craig, Staff Supervisor

Approval Action Under Consideration by DTSC: Emergency Permit

Statutory Authority: California Health and Safety Code, Chapter 6.5

Project Description: The California Department of Toxic Substances Control (DTSC), pursuant to authority granted under California Code of Regulations (CCR), Title 22, Division 4.5, Chapter 20, Sec. 66270.61, has issued an Emergency Permit to the Stanford University, (EPA ID# CAD982049439) to treat hazardous wastes through a controlled reaction with chemical solution; transfer and storage of Resource Conservation and Recovery Act (RCRA) hazardous waste to a trailer that meets the Department of Transportation's (DOT) flammable specifications and transport the hazardous waste to a final disposition facility. Specifically, two (2) 1-Liter containers of Ethyl Ether, one (1) 5-ml container of Acetaldehyde, two (2) 1-Liter containers of 2-Ethoxyethane, one (1) 500-ml container of Hydroxyethyl Methacrylate, one (1) 100-gram container of 2,4 Dinitrophenol, two (2) 5-gram containers of 2,4 Dinitrophenol and one (1) 80-ml container of Sodium Azide Solution (10 total items) must be stabilized prior to transport to an authorized hazardous waste treatment, storage, and disposal facility.

State of California – California Environmental Protection Agency
Department of Toxic Substances Control

These chemicals are currently being stored in Stanford University's Room 307 of Building 300 located at 260 Panama Street, Stanford, California. DTSC has determined as a safety precaution to prevent an accident or severe injury, an Emergency Permit should be issued for treatment of chemicals to chemically stabilize the hazardous wastes prior to storage and eventual transportation off-site by Clean Harbors Environmental Services (CHES).

Background:

The peroxide-forming and polymerizable materials, like Ethyl Ether, Acetaldehyde, 2-Ethoxyethane or Hydroxyethyl Methacrylate, may react with atmospheric oxygen to form highly shock-sensitive, explosive peroxides and polymers. Upon accumulation or expiration, these compounds can violently explode when exposed to heat, friction, or mechanical shock. The proper way to destruct a peroxide-containing chemical (in aqueous) requires a prior test for existing peroxide levels. If NO peroxide is detected, a small amount of inhibitors (like Hydroquinone) will be added to each 1 liter of peroxide forming liquid. If LOW (< 100 ppm peroxide) levels of peroxide are present, a small amount of Ferrous Ammonium Sulfate Solution will be added to each 1 liter of peroxide forming liquid. If HIGH levels of peroxide are present, H&S or Operations must be contacted to determine an alternative method of management.

Shock-sensitive / temperature sensitive material, like 2,4 Dinitrophenol or Sodium Azide Solution, has potential for a reaction, which includes fire and/or deflagration, when material becomes dry or improperly handled. The proper way to destruct this kind of material is to dilute its concentration with adequate solvent (DI water) or to adjust its pH to a proper pH range to become less reactive. Ensure that all solids are saturated and all lumps are broken up with plastic stirrer. Be sure to wet cap and threads of the container. Maximum 1-gallon charge sizes, utilizing as many containers as needed.

Due to the potential explosivity and the sensitivity to shock and friction, DTSC considers these chemicals to be an imminent and substantial endangerment to human health and the environment. Chemical stabilizations are recommended prior to transport to a permitted treatment, storage, and disposal facility.

State of California – California Environmental Protection Agency
Department of Toxic Substances Control

Project Activities: The treatment of these hazardous wastes involves the addition of solutions to the containers in a controlled manner to reduce the reactive or ignitable characteristics of the chemicals. Treatment will take place within a designated exclusion zone. Only technicians from Clean Harbors will be allowed in the exclusion zone. Movement, preparation, and treatment of the containers will be in accordance with established standards.

Within 10 business days of the expiration of this permit, Stanford University will submit a final report, signed in accordance with Title 22, CCR Sec. 66270.11(d). The report shall include certification that the treatment area has been cleared of all residual hazardous waste generated from this emergency treatment and all generated waste has been properly managed. The Emergency Permit is effective beginning October 6, 2026 and shall expire on December 4, 2026.

Name of Public Agency Approving Project: Department of Toxic Substances Control

Name of Person or Agency Carrying Out Project: Clean Harbors Environmental Services (CHES)

Exempt Status: Emergency Project Public Resources Code (PRC), Sec. 21080(b)(4); 14 CCR, Sec.15269(b)(c)

Reasons Why Project is Exempt: This action is necessary to prevent an emergency. Chemical stabilization of the chemicals is necessary prior to transportation to an authorized hazardous waste treatment, storage, and disposal facility to prevent accidental fire and/or explosion during transport.

The administrative record for this project is available to the public by appointment at the following location:

Department of Toxic Substances Control
Permitting Division
File Room
8800 Cal Center Drive
Sacramento, CA 95826

State of California – California Environmental Protection Agency
Department of Toxic Substances Control

Approver's Name

Lung-Yin Tai

Approver's Title

Hazardous Substances
Engineer

Approver's Phone Number

916-255-3615

Approver's Signature:

Date:

Lung-yin Tai

September 28, 2026

TO BE COMPLETED BY LCI ONLY

Date Received for Filing and Posting at LCI: