

Environmental Standard Operating Procedures (ESOP)	
Degreasing (DGR)	
Environmental Affairs: Air Resources (760) 830-8480	Revised: 1 October 2023

Subj: DEGREASING

Ref: Mojave Desert Air Quality Management District (MDAQMD) Rule 1104 - Organic Solvent Degreasing Operations

1. Purpose. This document provides environmental protection guidelines for the use of degreasing operations that utilize solvents.

2. Application. This guidance applies to those individuals who work with products which are used to degrease parts aboard the Marine Air Ground Task Force Training Command (MAGTFTC), Marine Corps Air Ground Combat Center (MCAGCC) Twentynine Palms. For further references to MAGTFTC, MCAGCC in this document, the term installation will be used.

3. Procedures. Degreasing must be managed in accordance with the reference. Many degreasing solvents can potentially generate hazardous waste and air contaminants. Improper use and disposal of these materials and/or containers can potentially have adverse impacts on the environment.

Degreasers and solvents must be managed as hazardous material at the unit level. Units aboard the installation must only use solvents listed on unit's Hazardous Material Authorized Use List (AUL).

The unit shall consult with the Environmental Affairs (EA) office prior to procurement of any degreasing solvents which are not listed on the Unit's Hazardous Material AUL.

4. Material Limitations. MDAQMD Rule 1104 limits the volatile organic compound (VOC) content of materials used for degreasing operations, specifically, cleaning and surface preparation (i.e., before application of a coating or other material). Only use a solvent or cleaning material with:

- a. Maximum VOC content of 25 grams per liter (g/L), or
- b. Vapor pressure of 8 millimeters of Mercury (mmHg) or less.
- c. VOC Limits *do not apply* to the following:
 - i. Surface preparation of electrical and electronic components, precision optics, or numismatic dies; or
 - ii. Stripping of cured inks, coatings, and adhesives or cleaning of resin, coating, ink, and adhesive mixing, molding, and application equipment; or
 - iii. Aerosol cans, as long as the cumulative amount used is less than 160 ounces per day. Usage records must still be maintained to demonstrate this exemption.

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5. Operational Controls. The following controls apply:

a. Use only installation approved degreasing materials which are listed on the unit's Hazardous Material AUL.

b. Keep solvent tanks closed when not in use.

c. Store all Solvent, including waste Solvent, residues, and used applicators/rags in a closed container that has been properly labeled. The label should either indicate the name of the Solvent/material or the waste stream.

d. Ensure all waste Solvent, residues, and used applicators are collected and taken to the unit's satellite accumulation area for disposal.

e. For more information on hazardous material storage, please contact the Hazardous Waste Management Branch at (760)830-7244.

f. Ensure that all solvent tanks have a permanent label summarizing applicable operating requirements (listed above), also found in section (C)(4) of MDAQMD Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where operators can access them.

6. Recordkeeping Requirements. The following Solvent Usage Records must be maintained on site for 5 years:

a. Product name(s) used in degreaser.

b. Mix ratio of mixtures containing Solvents as used;

c. VOC content of Solvent(s); and

d. Total volume of Solvent(s) used on a monthly basis.

7. Training Requirements. All affected personnel must be trained in this document and the following: General Environmental Awareness Training.

8. Emergency Preparedness and Response Procedures. Refer to the spill response procedures listed in the Abatement ESOP.

9. Inspection and Corrective Action. The Environmental Compliance Coordinator shall designate personnel to perform periodic inspections to ensure that the Solvent Usage Records are being maintained.