
 Marathon Petroleum Company LP		REFINERY-WIDE		R-11-016
ANACORTES REFINERY		Use of Chlorinated or Fluorinated Solvents		Page 1 of 3
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Contents

<p>1.0 INTRODUCTION.....2</p> <p> 1.1 Purpose.....2</p> <p> 1.2 Scope.....2</p> <p>2.0 REFERENCES.....2</p> <p> 2.1 Marathon Standards, Policies & Procedures2</p>	<p> 2.2 Government Regulations2</p> <p>3.0 GENERAL INFORMATION.....2</p> <p>4.0 TRAINING3</p> <p>5.0 REVIEW AND REVISION HISTORY3</p>
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 Marathon Petroleum Company LP	REFINERY-WIDE	R-11-016
ANACORTES REFINERY	Use of Chlorinated or Fluorinated Solvents	Page 2 of 3

1.0 INTRODUCTION

1.1 Purpose

Chlorinated or fluorinated solvent usage within this facility must be closely controlled. They pose an environmental hazard as well as safety hazards. This document provides guidance on the usage of these solvents.

1.2 Scope

Providing clear guidance on the use of Chlorinated or Fluorinated Solvents.

2.0 REFERENCES

2.1 Marathon Standards, Policies & Procedures

- SDS/Hazcom

2.2 Government Regulations

- The U.S. Solvent Cleaning Industry and the Transition to Non- Ozone Depleting SEC 4.2.1, 4.2.2

3.0 GENERAL INFORMATION

Solvents containing trichloroethylene or tetrachloroethylene (such as percaline) are restricted from use within the plant except when used in the process at the CR, Butamer and BSU ISOM Units as a chloride source for the catalysts.

The most common chlorinated or fluorinated solvents used on site are aerosol degreasers (Ex: CRC Super Degreaser).


Any chlorinated or fluorinated solvent has the following characteristics and must be handled accordingly:

- Reacts with strong oxidizing materials.
- Do not use in areas where arc welding is occurring, maintain at least 200' distance.
- Use only in well ventilated areas.
- Keep exposure to skin at minimum and if contact should occur, wash immediately.
- Wear safety goggles and chemical gloves.
- Keep Operations and other personnel in the area informed when using any solvent.
- Exercise prudence when using around caustic and aluminum. Some solvents react with aluminum and release hydrogen gas.

Disposal of chlorinated and fluorinated solvent waste requires special handling procedures.

Excess solvents (including the contents of aerosol cans) must be captured and placed in one of three barrels (marked for this use only); one outside of the Paint Shop, one at the Dunkin & Bush Yard in the tank farm, and one at Shop 1 outside the door on the west side of the building.

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 Marathon Petroleum Company LP	REFINERY-WIDE	R-11-016
ANACORTES REFINERY	Use of Chlorinated or Fluorinated Solvents	Page 3 of 3

The Maintenance Supervisor for E-Zone and the Stock Person assigned to the Tool Room will monitor the contents of these designated barrels, and contact Stores for proper off-site disposal or reclamation when required.

It is prohibited to dispose of these solvents through the refinery waste water system.

For further information about any solvent, refer to HazCom procedure and the appropriate SDS.

4.0 TRAINING

Training on this procedure is required upon initial hire at the Marathon Anacortes Refinery

5.0 REVIEW AND REVISION HISTORY

Revision #	Preparer	Date	Description
0	Mark Willand	11/14/2021	Reformatted and Numbered per Document Control Policy, R-63-001.
1	Brady Emmons	10/23/2023	Line by line review.

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