



ARPT 1129: Use of Solvents

EFFECTIVE DATE

DEPARTMENT

Automotive Refinish Prep - Voc
DESCRIPTION

During this course students identify the appropriate safety procedures to prevent workplace injury when using solvents and identify the various types of solvents and their functions. this course is part of the full-time Automotive Refinishing Prep Technician - High School program.

CREDITS

1.0

YEAR OF STUDY

1st Year Post-secondary

PREREQUISITES

None

COREQUISITES

None

COURSE LEARNING OUTCOMES

Upon successful completion of this course, students will be able to:

- Identify Material Safety Data Sheet (MSDS) of solvents
- Identify the effects of solvents on the human body,
- Describe safety precautions that are applied when working with solvents,
- Demonstrate the safe use of solvents
- Describe solvents function and purpose,
- Describe the various types of solvents
- Explain temperature rated solvents,
- Describe effects of using the wrong type of solvent in a primer,
- Explain solvent to undercoat mixing ratios
- Explain undercoat mixing procedures
- Describe undercoat induction periods
- Apply a primer undercoat

- Describe and recognize problems encountered when using an incorrect solvent
- Describe and recognize problems that occur when using poor quality solvent
- Explain undercoat removal methods

PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

HOURS

Lecture: 17

Other: 8

INSTRUCTIONAL STRATEGIES

Instructional strategies include: Lectures, demonstrations, case studies, assigned homework, group work, individual work, field trips, and project work in an authentic shop environment.

GRADING SYSTEM

Percentages-ITA

PASSING GRADE

70%

EVALUATION PLAN

Type	Percentage	Assessment activity
Assignments	15	Quizzes and Assignments (formative - theory)
Exam	20	Theory exam (summative - theory)
Assignments	50	Practical assignments (preparation, task completion, cleanup, document writing-service report etc.)
Other	15	Observable active participation and team work

COURSE TOPICS

- Material Safety Data Sheet (MSDS) of Solvents
- The Effects of Solvents on the Human Body
- Safety Precautions

- Safe Use of Solvents
- Function and Purpose
- Types of Solvents
- Temperature Related Solvents
- Effects of Solvents
- Mixing Ratios
- Mixing Procedures
- Describe undercoat induction periods
- Application of Primer Undercoat
- Solvent Problems
- Undercoat Removal

LEARNING RESOURCES

None

Notes:

- Course contents and descriptions, offerings and schedules are subject to change without notice.
- Students are required to follow all College policies including ones that govern their educational experience at VCC. Policies are available on the VCC website at:
<https://www.vcc.ca/about/governance--policies/policies/>.
- To find out how this course transfers, visit the BC Transfer Guide at <https://www.bctransferguide.ca>.

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Generated at: 10:15 pm on Jan. 18, 2021