

HAZARDS SUBSTANCES IN PAINT

Lead is a substance that is toxic to humans and has no known beneficial biological function. Clinical lead poisoning has long been known to medicine and lead is now recognised to have a detrimental effect on IQ, neuro-motor functions and behaviour, especially in children, even at low levels in the body. As our knowledge increases, the acceptable limit for lead in humans is constantly being lowered. Stricter controls on the release of lead to the environment are being promulgated via regulatory authorities.

Lead has been used in many industries and has become widely dispersed in our environment, especially in cities from motor vehicle emissions. After petrol, one of the main sources of lead pollution and lead poisoning is from its use in paints. Residual lead paint on industrial and civil structures is a potential source of environmental pollution and lead paint in old buildings and dwellings remains as one of the most common sources of elevated blood-lead levels in children.

In recent years, increased attention has also been focussed on other hazardous materials that may be found in some old paints including chromate, arsenic, cadmium, silica, asbestos and coal tars.

WHOSE PROBLEM IS IT?

For industrial or civil structures, disturbance of old paint usually results from planned maintenance of the structures as a part of asset management. Such maintenance painting is most commonly carried out by specialist contractors, with asset managers commonly requiring Class 5 or Class 6 accreditation under the Painting Contractor Certification Program (PCCP).

TARGET GROUPS:

- Industrial Painting Contractors (owners, project managers, supervisors, leading hands)
- Asset management, asset engineers
- Industrial maintenance engineers and supervisors

COURSE STRUCTURE

CTI Consultants Pty Ltd have developed this course to cater for the growing need within the industrial maintenance painting industry for a high level of information and training in the management of hazardous paint.

This training course is designed to provide a sound *knowledge* base and explicit *guidance* mainly for those involved in managing hazardous paint in industrial settings, at all levels of organisation, and also touches on certain aspects of the management of lead paint in residential, public and commercial buildings.

All relevant skills required for designing or supervising a hazardous paint management project are taught, based around the 15 step decision path of AS/NZS 4361.1.

Although the focus of this course is mainly on hazardous metallic pigments, other hazardous materials that may be found in paints are also discussed, in less detail, consistent with the requirements for PCCP Class 6 accreditation.

The On-Line program consists of six separate units, delivered over three separate on-line sessions. Participants are expected to pre-read the relevant sections in the manual and complete the workshop exercise for each unit before the On-Line sessions.

BENEFITS

Participants will acquire the necessary skills, knowledge and training to qualify as a “*Responsible Person for Hazardous Paint Management*”, as defined in AS/NZS 4361.1, and to meet the corresponding training requirements for the Class 5 and Class 6 accreditation under the PCCP scheme.

COMPETENCY ASSESSMENT

Participants are assessed by three separate exams, one after each On-Line session. A certificate will be issued to all successful participants.

COURSE CONTENT

Unit 1 reviews the health effects of hazardous metallic pigments and introduces the main issues facing those managing hazardous paints.

Participants will learn how these hazardous materials can impact on humans, in particular on workers and, for lead, on children. Basic exposure pathways into the body are described, and an introduction is provided to medical monitoring of exposures and of the common symptoms of poisoning for the various hazardous materials.

Units 2, 3 and 4 provide detailed training in hazardous paint management, including identification of hazardous paints, assessment of paint condition, WHS requirements for hazardous paint management and waste management.

These units also summarise the requirements for assessing and removal of dust and for project clearance.

Although primarily aimed at industrial projects, the contents of Units 1 to 4 are also relevant to those involved in lead paint management in residential, public and commercial buildings as the majority of the issues covered therein are common to all hazardous paint management projects.

Units 5 and 6 deal with matters more specifically relevant to industrial HPM, covering maintenance strategies for steel structures, carrying out a simplified risk assessment, reviewing emission potentials and controls of paint removal processes, large scale containment design considerations and developing environmental monitoring programs.

Practical Work-Shop Application

Throughout the course, participants will be asked to complete a workshop exercise for a typical project, covering each of the relevant steps of the decision path that forms the basis of AS/NZS 4361.1.



RESPONSIBLE PERSON FOR HAZARDOUS PAINT MANAGEMENT

*A training course for people
involved in the management of
lead and other hazards in paint*

**This course has current APAS endorsement
for PCCP Class 5 and Class 6 Accreditation**

**RESPONSIBLE PERSON FOR
HAZARDOUS PAINT MANAGEMENT**

ON-LINE COURSE

November 15th, 17th and 19th, 2021

Instructor:

Fred Salome, B.Sc. (Hon.)
ACA Corrosion Technologist
NACE Protective Coating Specialist
NACE Certified Coating Inspector (Marine)

Presented by
CTI Consultants Pty Ltd
ABN 56 003 824 815

www.cticonsultants.com.au

REGISTRATION FORM

(BLOCK CAPITALS PLEASE)

Name

Position

Company

Contact Address

..... Postcode

Contact Phone:

Contact email:

FEES & ENROLMENT

Registration Fee: \$1,150+GST per person.

Participants are issued an electronic copy of the course manual, e-mailed to the above email address, but must have access to a personal copy of AS/NZS 4361.1:2017.

Please forward this registration form to
carol@cticonsultants.com.au

RSVP: Noon, Thursday, November 11th, 2021

An invoice will be issued with our confirmation of registration, and payment must be received by CTI before commencement of the course. Payment details will be provided on the invoice.

An invitation for attendance at the Zoom meetings will be sent out when the registration process is complete, together with all necessary course materials.

CTI will refund the fees paid minus a 10% administration fee if we are advised in writing of a cancellation more than 5 working days prior to the course commencement date. In the event of notification of a cancellation 5 working days or less before the course commencement date, a 50% refund will be given. If a student fails to attend a course without prior notification, no refund will be given

ON-LINE DATES

The course will be held over three separate on-line sessions running from 10.00 am to 01.00 pm AEST, on Monday, Wednesday and Friday of the third week of November, 2021.

Confirmation and payment required by CoB on Thursday, November 11th, 2021.

ABOUT THE PRESENTER

Fred Salome is an industrial chemist with wide experience in assessing structures and dwellings for the presence of hazardous pigments in paint and in advising on how to best manage it.

He has been involved in writing specifications and environmental monitoring for numerous hazardous paint removal projects, involving both industrial projects and commercial buildings.

Fred acts as a consultant to a range of government organisations including Transport for NSW, Water NSW, AMSA and various councils. Fred was chairperson of the Standards Australia sub-committee CH/3/11 "Hazardous Paint Management" until 2017, and he was on the panel of experts advising the Commonwealth EPA on its Lead Paint information campaign in 1998-2000.

CTI Consultants has developed training courses on managing hazardous paint for a range of public and private clients.

CTI remains actively involved in providing surveys for hazardous paints, paint condition assessments and maintenance recommendations as well as offering general consultancy for hazardous paint projects.

CTI also provides ongoing WHS and environmental monitoring services for hazardous paint projects.