

Carbon Disulfide

Australia | Safework Australia

Manufacturing

Carbon disulfide (CAS 75-15-0) can be found in pure and impure forms. Pure Carbon Disulfide is a clear, colourless liquid that has a sweet, pleasant smell. It evaporates quickly at room temperature and explodes and ignites easily. Impure carbon disulfide is used in industrial processes. It is a yellowish liquid with an unpleasant smell like rotten radishes. Carbon disulfide is used in making regenerated cellulose and cellophane as well as a poison for feral pigs. Workers in manufacturing plants using carbon disulfide have a high risk of exposure.



Baseline Testing

A baseline Carbon Disulphide health monitoring medical contains the following tests:

- Demographic, medical and occupational history
- Respiratory function and past exposure questionnaire
- Medical Examination with particular focus on the respiratory system and skin
- Urinalysis – Blood Protein and Sugar
- KINNECT Dr Review and Sign off
- Pathology – MBA 20 for Frequent or high risk exposure (non fasting)



Periodic Testing

Pathology only – completed annually

- MBA 20 for Frequent or high risk exposure

- Urinary 2-thiothiazoldine-4-carboxylic acid level
- KINNECT Dr Review and sign off

* May Trigger an early periodic health assessment



Post Exposure

Post Exposure testing for Carbon Disulfide consists of:

- Respiratory function and past exposure questionnaire
- Pathology – MBA 20 for Frequent or high-risk exposure (non-fasting)
- Urinary 2-thiothiazoldine-4-carboxylic acid level
- KINNECT Dr Review and sign off

** May trigger an early periodic health assessment*



Exit Testing: Termination of work in a Carbon Disulphide process

A final exit medical for Carbon Disulfide consists of:

- Demographic, medical and occupational history
- Respiratory function and past exposure questionnaire
- Medical Examination with particular focus on the respiratory system and skin
- Urinalysis – Blood Protein and Sugar
- KINNECT Dr Review and Sign off
- Pathology – MBA 20 for Frequent or high-risk exposure (non-fasting)



Further Information

Safework Australia health monitoring guidance for Carbon Disulfide:

<https://www.safeworkaustralia.gov.au/resources-and-publications/guidance-materials/health-monitoring-carbon-disulfide>

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