

Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 47828

Manuscript Type: MINIREVIEWS

Occupational exposure to vinyl chloride and liver diseases

Fedeli U *et al.* Vinyl chloride and liver diseases

Ugo Fedeli, Paolo Girardi, Giuseppe Mastrangelo

Abstract

Portal hypertension, liver fibrosis, and angiosarcoma of the liver (ASL) have been reported among workers exposed to vinyl chloride monomer (VCM)

Match Overview

1	Internet 41 words crawled on 24-Mar-2019 onlinelibrary.wiley.com	2%
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Occupational exposure to vinyl chloride and liver diseases



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Occupational liver damage -- Vinyl Chloride Symptoms ...

https://www.rightdiagnosis.com/o/occupational_liver_damage_vinyl... ▾

Occupational liver damage -- Vinyl Chloride: Introduction Occupational liver damage -- Vinyl Chloride: Damage or injury to the liver caused by exposure to Vinyl Chloride in an occupational setting. Often other organs and tissues are also affected but only the liver toxicity symptoms ...

Vinyl chloride-associated liver disease.

<https://www.ncbi.nlm.nih.gov/pubmed/945708>

Vinyl chloride-associated liver disease. Preliminary studies suggest that the toxicity of **vinyl chloride** may result from formation, during high-dose **exposure**, of active metabolites by mixed function oxidases of the **liver**. Epidemiologic studies indicate an increased **incidence** not only of **liver disease**, but also of cancers of the brain, lung, and possibly other organs.

Cited by: 73

Author: Paul D. Berk, James F. Martin, Robert S....

Publish Year: 1976

Vinyl Chloride - National Cancer Institute

www.cancer.gov › ... › Risk Factors › Cancer-Causing Substances ▾

Vinyl chloride exposure is associated with an increased risk of a rare form of liver **cancer** (hepatic angiosarcoma), as well as **brain** and **lung** cancers, **lymphoma**, and **leukemia**.

Vinyl chloride: an assessment of the risk of occupational ...

<https://www.ncbi.nlm.nih.gov/pubmed/3549485>

Vinyl chloride: an assessment of the risk of **occupational exposure**. Purchase IF, Stafford J, Paddle GM. There is little doubt that **exposure** to high levels of VCM as a consequence of occupation can result in an increased incidence of ASL.

Cited by: 21

Author: I.F.H. Purchase, J. Stafford, G.M. Paddle

Publish Year: 1987

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Vinyl Chloride Exposure Leads to Serious Occupational ...

<https://www.thelyonfirm.com/practice-areas/toxic-tort-lawyer/vinyl-chloride-exposure...> ▾

Vinyl chloride exposure has been shown to increase the risk of a rare form of **liver** cancer called angiosarcoma. Angiosarcoma attacks the lining of blood vessels, and can occur in any area of the body. Studies in workers who inhale **vinyl chloride** over many years show an increased risk of **liver**...

Vinyl chloride - Wikipedia

https://en.wikipedia.org/wiki/Vinyl_chloride ▾

In the very first study about the dangers of **vinyl chloride**, published by Patty in 1930, it was disclosed that **exposure** of test animals to just a single short-term high dose of **vinyl chloride** caused **liver** damage. In 1949, a Russian publication discussed the finding that **vinyl chloride** caused **liver** ...

Chemical formula: C₂H₃Cl **Melting point:** −153.8 °C (−244.8 °F; 119.3 K)

Molar mass: 62.50 g·mol^{−1} **Solubility in water:** 2.7 g/L (0.0432 mol/L)

Angiosarcoma of the Liver Among Polyvinyl Chloride ...

<https://www.cdc.gov/mmwr/preview/mmwrhtml/lmrk103.htm> ▾

Published data concerning the potential hepato-toxicity and oncogenicity of **vinyl chloride** are limited. Studies in Germany have suggested a link between hepatic damage and **occupational exposure to vinyl chloride** (3), while Italian workers have suggested that **vinyl chloride** may cause a wide variety of tumors in animals (4).

[PDF] Vinyl chloride - US EPA

<https://www.epa.gov/sites/production/files/2016-09/documents/vinyl-chloride.pdf>

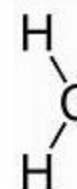
exposure to vinyl chloride via inhalation, as **vinyl chloride exposure** has been shown to increase the risk of a rare form of **liver** cancer in humans. EPA has classified **vinyl chloride** as a Group A, human carcinogen. Please Note: The main sources of information for this fact sheet are the Agency for Toxic Substances and Disease

Occupational liver damage -- Vinyl Chloride Symptoms ...

https://www.rightdiagnosis.com/o/occupational_liver_damage_vinyl_chloride/intro.htm ▾

Occupational liver damage – Vinyl Chloride: Introduction. **Occupational liver damage – Vinyl Chloride:** Damage or injury to the **liver** caused by **exposure to Vinyl Chloride** in an occupational setting. Often other organs and tissues are also affected but only the **liver** ...

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Occupational vinyl chloride exposure is linked to **toxicant-associated steatohepatitis, liver cancer**, and other diseases. Vinyl chloride exposure led to a distinct plasma metabolome with markedly altered lipid and amino acid metabolites. A metabolomics approach can provide useful information regarding exposure in chemical workers.

Occupational exposures at a polyvinyl chloride production ...

www.sciencedirect.com/science/article/pii/S0041008X16303027

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Vinyl Chloride Exposure Leads to Serious Occupational ...

<https://www.thelyonfirm.com/practice-areas/toxic-tort-lawyer/vinyl-chloride-exposure...> ▾

Vinyl chloride exposure has been shown to increase the **risk** of a rare form of **liver cancer** called angiosarcoma. Angiosarcoma attacks the lining of blood vessels, and can occur in any area of the body. Studies in workers who **inhale vinyl chloride** over many years show an **increased risk of liver**, brain, and **lung cancer**.

Occupational liver damage -- Vinyl Chloride Symptoms ...

https://www.rightdiagnosis.com/o/occupational_liver_damage_vinyl_chloride/intro.htm ▾

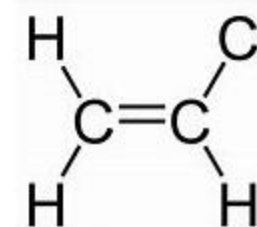
Occupational liver damage -- Vinyl Chloride: Introduction **Occupational liver damage -- Vinyl Chloride: Damage or injury** to the liver caused by **exposure to Vinyl Chloride** in an occupational setting. Often other organs and tissues are also affected but only the **liver toxicity symptoms** ...

[PDF] Vinyl chloride - US EPA

<https://www.epa.gov/sites/production/files/2016-09/documents/vinyl-chloride.pdf>

Acute (short-term) exposure to high levels of vinyl chloride in air has resulted in **central nervous system effects (CNS)**, such as **dizziness, drowsiness, and headaches** in humans. **Chronic** (long term)

Vinyl chloride



Vinyl chloride is an organochloride with the formula $\text{H}_2\text{C}=\text{CHCl}$ that is also called vinyl chloride or chloroethene. This colorless compound is an important industrial chemical chiefly used to produce the polymer polyvinyl chloride. About 13

Wikipedia

Density: 0.91 g/cm³

Chemical formula: C₂H₃Cl

Boiling point: 7.88°F (-13.40°C)

Average Molar mass: 62.50 g/mol

Melting point: -244.84°F (-153.80°C)

People also search for



Polyvinyl chloride



1,2-Dichloroethane



Trichloroethylene



Tetrachloroethylene

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