

TO: ~~Has Stan~~
From: Mike Lunsford
Date: 10/24/94
Subject: VCNet Video

BY FAX

Dear Has:

Attached is the draft contents outline for the VCNet Video and a portion of the video script. I regret that I will be unable to finish the script, due to the requirements of my new position within Vista. I am also faxing a copy of this to Chris Markerson in Aberdeen.

If you have any questions, please call me at (410) 354-5975.



Mike Lunsford
Vista

CMA 112044

VCNet Training Video Draft Contents

Introduction	1 minutes
What is VCM?	2 minutes
Physical Properties	
Fire Hazard	
Health Effects	3 minutes
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HCl Effects from Fire	
Carcinogen	
OSHA PEL's	
Shipping VCM	7 minutes
Ship Loading	
Tank Cars	
Type	
Safety Features	
Placards/Labels	
Loading/Unloading Process	
Typical Dome Layout	
Typical Hookup	
Emergency Response	7 minutes
Derailment Response	
Secure Area	
Upwind Approach	
Use Instruments to Find Leaks	
LEL meter	
OVA/TLV sniffer	
Colorimetric Tube	
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Vapor Clouds	
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Fire Response	
BLEVE	
HCl Generation	
Call CHEMTREC on all Emergencies	
VCNet Response	2 minutes
Member Company Response	
VCNet Response	
Map of Response Team Locations	
Chemnet Response	
Wrap Up	1 minute

VINYL CHLORIDE VIDEO SCRIPT**VCNET****VIDEO****AUDIO****(NARRATOR)**

Spell out VCM

In this program, we are going to discuss VCM, vinyl chloride monomer, the raw material manufactured by Vinyl Chloride Network Member Companies, and used to make Polyvinyl Chloride, or PVC.

Shots of plants

Type:

VCM - what it is

We want you to know what VCM is...

Effects on Health

How it can affect your health...

How it is shipped

How it is shipped...

Emergency Response

The steps to reduce the hazards involved in responding to an emergency involving VCM...

Your Role

And your own important role in protecting yourself and fellow responders from exposure.

Type: WHAT IS VCM?

Let's take a few minutes to learn what VCM is, and what hazards it can pose if handled unsafely.

VCM container

At normal temperatures and pressures, VCM is a colorless, sweet-smelling gas. Under pressure, it becomes a liquid.

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VINYL CHLORIDE VIDEO SCRIPTVCNETVIDEOAUDIO

(NARRATOR)

Pix of PVC products

VCM is the basic building block for producing the most versatile plastic yet developed -- polyvinyl chloride, or PVC. Today thousands of products used in the home and in industry are made of PVC.

People working around VCM

Under most conditions, your only contact with VCM would be through response to accidental leaks or spills.

Type: Never make contact
With liquid VCM!

You should never come in contact with liquid VCM. It could result in severe frostbite-like burns to your skin.

Propane burning, list data

VCM also poses a serious fire hazard. It has a very low flash point of - 108°F., and burns as readily as propane. VCM is flammable or explosive in concentrations ranging from 4% to 22% in air.

Type: Health Effects

Both short-term and long-term health effects are also an important concern with VCM.

Type: Harmful if Inhaled

VCM gas is harmful if inhaled. If you breathe high concentrations, you may become dizzy, drowsy or lose consciousness.

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VINYL CHLORIDE VIDEO SCRIPTVCNETVIDEO

Type: Releases HCl when burned

VCM - Long-term Hazards

Research papers (include ATSDR
Toxicological Profile)

Spell out Angiosarcoma

Headlines or BFG logo

AUDIO

(NARRATOR)

VCM releases hydrogen chloride or HCl when burned. HCl is a corrosive gas that combines with water in your breathing passages to irritate or damage the tissues. Breathing it can cause severe lung damage or death. HCl dissolved in water is commonly called Muriatic Acid.

VCM can also pose long-term health hazards.

Enough hard evidence exists to indicate that exposures to high levels of VCM over long periods of time can cause serious health problems.

Evidence indicates that exposures to high levels of VCM over long periods of time could also cause a rare form of liver cancer called angiosarcoma.

The data to substantiate this link came in 1974, when B. F. Goodrich reported that the deaths of two of their employees may have been occupationally related to long-term VCM exposure.

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VINYL CHLORIDE VIDEO SCRIPTVCNETVIDEOAUDIO

(NARRATOR)

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It is believed that the disease may be related to certain high-exposure tasks, such as reactor cleaning, as they were performed in the industry's early years, when work practices were much different, and before contact with VCM was known to be harmful.

Using proper protective equipment

The best way to avoid any of these potential health effects, of course, is to prevent exposure to VCM.

OSHA regs

The Occupational Safety and Health Administration (OSHA) has set limits for worker exposure to VCM.

Type: Exposure limits for VCM

PEL = 1 PPM/8 hours

STEL = 5 PPM/15 min.

These limits are one part per million averaged over an eight hour period...

The Short Term Exposure Limit or STEL is five PPM averaged over any 15 minutes period.

CMA 112049

TOTAL P.006