**To:** Leopard, Matthew[Leopard.Matthew@epa.gov]
**From:** Brinkhuis, Randall
**Sent:** Fri 1/10/2014 10:01:23 PM
**Subject:** RE: Chemical in WV spill

I will check.

**From:** Leopard, Matthew
**Sent:** Friday, January 10, 2014 4:33 PM
**To:** Brinkhuis, Randall
**Subject:** Re: Chemical in WV spill

Is it in CDAT or chemview

Sent from my BlackBerry 10 smartphone.

**From:** Brinkhuis, Randall

**Sent:** Friday, January 10, 2014 3:13 PM

**To:** Flattery, Priscilla

**Cc:** Leopard, Matthew; Blunck, Christopher; Kennedy, Amuel

**Subject:** Chemical in WV spill

Priscilla,

Thought you might get inquiries about this so I'm passing along the following info.

The WTOP story linked to below identifies the chemical as 4-methylcyclohexane methanol.

http://wtop.com/209/3539204/WVa-gov-declares-emergency-after-chemical-spill

So I Googled it and found the following:

https://www.dropbox.com/s/i8rsw5n2cgvxbwt/Freedom%20Industries.docx

MSDS - http://mediad.publicbroadcasting.net/p/wvpn/files/201401/MSDS-MCHM_I140109214955.pdf

## 2. COMPOSITION INFORMATION ON INGREDIENTS

*(Typical composition is given, and it may vary. A certificate of analysis can be provided, if available.)*

| Weight % | Component | CAS Registry No. |
|---|---|---|
| 68 - 89% | 4-methylcyclohexanemethanol | 34885-03-5 |
| 4 - 22% | 4-(methoxymethyl)cyclohexanemethanol | 98955-27-2 |
| 4 - 10% | water | 7732-18-5 |
| 5% | methyl 4-methylcyclohexanecarboxylate | 51181-40-9 |
| 1% | dimethyl 1,4-cyclohexanedicarboxylate | 94-60-0 |
| 1% | methanol | 67-56-1 |
| 1 - 2% | 1,4-cyclohexanedimethanol | 105-08-8 |

Of the top three chemicals (excluding water), ChemIDplus had very little information beyond the fact that they are on the TSCA Inventory.

Randy

*"Knowing is not enough; we must apply. Willing is not enough; we must do." —Goethe*

**Randall Brinkhuis, M.S. in Library Science**

Environmental Protection Specialist

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