

> >

Subject: Re: [Fwd: Texanol MIR]

Date: Tue, 16 Nov 1999 17:56:21 -0800 (PST)

From: Bill Carter <carter@cert.ucr.edu>

To: "Randy Pasek" <rpasek@cleanair.arb.ca.gov>

CC: dmorgott@kodak.com

The results of the SAPRC-99 texanol reactivity calculations are as shown.

The results for the base ROG are shown for comparison. The units are grams

O3 per gram VOC. These data will be included in the final version of the report.

| | MIR | MOIR | EBIR |
|----------|------|------|------|
| TEXANOL1 | 1.18 | 0.60 | 0.40 |
| TEXANOL2 | 1.06 | 0.49 | 0.31 |
| Base ROG | 4.0 | 1.47 | 0.87 |

where

TEXANOL1 is 2,2,4-Trimethylpentane-3-ol-1-isobutyrate

TEXANOL2 is 2,2,4-Trimethylpentane-1-ol-3-isobutyrate

Could you tell me what the percentages are for each isomer? Maybe Dave Morgott knows.

By the way, could you find out if Texanol is what is meant by "SUBSTITUTED C9 ESTER (C12)" in the emissions inventories? That's present in fairly large amounts at least in the EPA inventory.

- Bill Carter

At 03:59 PM 11/16/99 -0800, you wrote:

>Bill:

>

>SSD needs a number for texanol. Is it possible to generate a MIR value

>for texanol without chamber work using your updated mechanism?? If so

>how much trouble would that be and how soon could you do it??

Thanks.

>

>Randy

>Return-Path: <ctakemot@arb.ca.gov>

>Received: from arb.ca.gov ([146.114.40.140]) by airmail.arb.ca.gov

> (Netscape Messaging Server 3.6) with ESMTP id AAAB4DC

> for <rpasek@arb.ca.gov>; Tue, 16 Nov 1999 15:43:09 -0800

>Message-ID: <3831ECDF.F78046B5@arb.ca.gov>

>Date: Tue, 16 Nov 1999 15:46:39 -0800
>From: "Carla Takemoto" <ctakemot@arb.ca.gov>
>Organization: California Air Resources Board
>X-Mailer: Mozilla 4.61 [en] (Win95; I)
>X-Accept-Language: en
>MIME-Version: 1.0
>To: Randy Pasek <rpasek@arb.ca.gov>
>Subject: Texanol MIR
>Content-Type: text/plain; charset=us-ascii
>Content-Transfer-Encoding: 7bit

>
>Randy:

>We are in the position of needing to calculate an upper limit MIR value
>for Texanol (2,2,4-trimethylpentanediol monoisobutyrate). Is it
>possible that we could ask Dr. Carter to put this compound into his
>model and get an MIR value that is more realistic (even though
>uncertain)?

>
>Thanks.

>Carla

>
>Content-Type: text/x-vcard; charset=us-ascii;

> name="rpasek.vcf"

>Content-Transfer-Encoding: 7bit

>Content-Description: Card for Randy Pasek

>Content-Disposition: attachment;

> filename="rpasek.vcf"

>
>Attachment Converted: J:\MAIL\RECD\rpasek4.vcf

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| <p>Randy Pasek <rpasek@arb.ca.gov> Manager, Atmos. Processes Res. Section Air Resources Board</p> |
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