

MR 2754

8EHQ-1297-14081

High Point Chemical

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December 5, 1997



8EHQ-97-14081

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(Attn: Section 8(e) Coordinator) Mail Code 7407
Office of Pollution Prevention and Toxic Substances
U.S. Environmental Protection Agency
401 "M" St., S.W.
Washington, D.C. 20460



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Dear Section 8(e) Coordinator:

This letter is to notify the Agency that I have recently received and reviewed summaries of ecological testing reports from Kao Corporation, which suggest that moderate adverse effects may result from exposure to a fragrance substance. This product (SAGETONE V) was introduced to the U.S. in PMN P-92-237 through High Point Chemical Corporation, which is the U.S. Chemical Division of Kao Corporation, headquartered in Japan.

The summaries were reviewed on December 5, 1997.

Chemical Description:

CASRN: 107715-18-4

CBI status: NON-CONFIDENTIAL

Usage pattern:

This substance is not intended for large volume use. It is used as a minor ingredient of a finished fragrance which is used in personal care products such as detergents and softeners.

As an example of the usage:

1. The finished fragrances can readily contain 20 or more components, one of which would be this substance.

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Contains No CBI

~~FTSCA CONFIDENTIAL
BUSINESS INFORMATION
DOES NOT CONTAIN NATIONAL
SECURITY INFORMATION (E.O. 12066)~~

(The fragrance formulation is specific to the user involved , and is not determined by Kao Corporation, when this substance is sold to others).

Example of finished fragrance: (Attachment 1)

22 components

This substance is about 10% of the formulation

2. The example fragrance 5% of the household detergent (or other household products) formulation.

The amount of this substance in the example detergent would be about 0. 5% of the formulation.

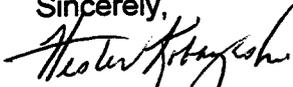
3. Very little would get into the aquatic environment at the time of usage because :
 - a. The detergent is diluted by a factor greater than 100 times in usage.
 - b. The substance is insoluble in water, hence will tend to adsorb to the fabrics being washed. As an aroma, the fragrance material will slowly vaporize into the atmosphere.

Adverse Effects being reported:

Study results of concern, the results of ecotoxicity tests, are summarized in Table A . The results of both studies are of moderate concern, according to criteria provided earlier by the Agency, and by our evaluation, the potential for damage to the aquatic environment is minor. However, these results of ecological tests are being reported in order make the information available to the Agency for an official interpretation. Complete reports translated into English will be made available upon request.

The submission of the attached information is part of Kao Corporation's good faith effort to comply with requirements under TSCA Section 8(e).

Sincerely,



Hester Kobayashi, Dr.PH
Manager, Kao Product Safety, North America



FLAVOURS, FRAGRANCES AND AROMA CHEMICALS

SAGETONE V ACCORD

PERFUME P.5208

	<u>A</u>	<u>B</u>
BERGAMOT OIL ITALY BGF	30.0	30.0
SPICE BASE Z.5208 (KAO)	33.0	33.0
ALDEHYDE C-111 LEN	1.0	1.0
YLANG OIL NO.1	30.0	30.0
ROSE ABSOLUTE RT 100 (KAO)	50.0	50.0
HYDROXY CITROELLAL	50.0	50.0
ORRIS CONCRETE 8%	3.0	3.0
JASMIN BASE Z.5208 (KAO)	26.0	26.0
HEDIONE	103.0	103.0
METHYL IONONE-G	50.0	50.0
ACETYL CEDRENE COEUR (KAO)	50.0	50.0
VETIVERYL ACETATE	50.0	50.0
ISO E SUPER	100.0	100.0
SANTALOL	20.0	20.0
VETIVER OIL BOURBON	30.0	30.0
PATCHOULI IRON FREE	30.0	30.0
OAKMOSS ABSOLUTE 50% DEP	20.0	20.0
AMBER BASE Z.5208 (KAO)	54.0	54.0
PENTALIDE	20.0	20.0
MUSK KETONE	30.0	30.0
DIPROPYLENE GLYCOL	120.0	220.0
SAGETONE V (KAO)	100.0	-----
	<hr/> 1000.0	<hr/> 1000.0

In the version B, SAGETONE V is replaced by DIPROPYLENE GLYCOL.

Attachment 1



Table A
Ecotoxicity Testing Results

Tests Performed	Notes on Method	Results Summarized	Laboratory
Daphnia magna, acute toxicity	OECD No. 202 Part 1	EC50 = 3.8 mg/L (48 hr, Static test).	Huntingdon Research Centre
Fish toxicity (Killifish)	Method required under the Chemical Substances Control Law in Japan	LC50= 19.6 mg/L (48 hr) (English translation not yet available)	Chemical Inspection & Testing Institute, Japan