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FOR: Ted Torneison Ag. Org. 9008 6-5197 1137-189 RV
Name Dept. Bldg. Phone Charge

Bibliography: Biological effects (including toxicity) of vinyl chloride (excluding polyvinyl chloride)

By: Mike Teiken

Date: 27 April 1973

R&S 131192

Sources Checked:

- ✓ 1. CHEMICAL ABSTRACTS (1962 - June 1972)
2. APPLIED SCIENCE AND TECHNOLOGY INDEX
3. ENGINEERING INDEX
4. BUSINESS PERIODICALS INDEX
5. U. S. RESEARCH AND DEVELOPMENT INDEX
- ✓ 6. BIOLOGICAL ABSTRACTS (1962 - Mar. 1973) [except Jan - June 1972, which is not binding]
7. INDEX MEDICUS
8. SCIENCE CITATION INDEX
9. NUCLEAR SCIENCE ABSTRACTS
10. BEILSTEIN'S HANDBUCH der ORGANISCHEN CHEMIE
11. CURRENT ABSTRACTS OF THE CHEMICAL LITERATURE AND INDEX CHEMICUS
12. TOXICITY BIBLIOGRAPHY

Terms searched in the above sources:

C.A.: ethane, chloro- (1972+)
ethylene, chloro- (1962-71)

B.A.: chloroethane
chloroethylene
ethane, chloro-
ethylene, chloro-
vinyl chloride

Don't forget to contact Central Report Index (CRI) for information contained in Dow reports, etc. Call 6-3754.

I suggest that you consult the following for additional information:

See _____ on the reverse side of this sheet.

Was the material we sent you adequate? If so, we would appreciate knowing this. If not, let us know and we will be glad to look further.

The Chemical Library Staff
Phone: 6-0972

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To insure that you will do the best possible job on this project for Dow, may we recommend that you consult these additional sources:

A. Central Report Index to determine what is already known in Dow on the subject. Midland CRI has a "KWIC" index to problem titles as they have been reported to Corporate R. & D. (CRI, 566 Bldg., Phone 6-3754.)

B. Patent Department (W. F. Boeke, 566 Bldg., Phone 6-5952) to see if there are any patents which should be considered. The Patent Department has the UNITERM INDEX TO UNITED STATES PATENTS. The UNITERM INDEX is useful for searches which are simple enough to be done manually. If it can be done easier on the computer, the request should be sent to the Computation Research Lab., Pat Feeley, 1707 Bldg., Phone 6-6340. There will be a charge for the computer search.

C. Your Safety and Loss Prevention Department, 2030 Bldg., Phone 6-2097 and/or the Biochemical Laboratory, 1701 Bldg., Phone 6-2377, for potential handling precautions and suggestions for chemicals.

D. Department of Defense to see if reports have been written on the subject by government contractors or agencies. In order to do this, send a brief description of your problem to Robert Karpiuk, Product Dept. Lab., Larkin Bldg., Phone 6-0763. He will then ask DDC (Defense Documentation Center) to run this search for you. THE GOVERNMENT IS SPENDING 3 TIMES AS MUCH AS INDUSTRY ON R AND D. THIS MEANS THAT A LARGER PER-CENT OF THE RESEARCH IS BEING REPORTED IN THE GOVERNMENT REPORT LITERATURE. ONLY ABOUT 1/3 OF THE CURRENT LITERATURE IS PUBLISHED IN THE JOURNALS.

E. Thermal Laboratory to see if the thermodynamics of your problems are promising. Your inquiry should be addressed to the Thermal Lab., 1707 Bldg., Phone 6-0250.

F. Computation Research Laboratory, 1707 Bldg., "Current Awareness Services" which notify you of articles or patents pertinent to your work are available from the following computer tape services:

CHEMICAL TITLES - covers 700 journals in the chemistry field.

COMPENDEX (ENGINEERING INDEX) - covers all fields of engineering.

BIOLOGICAL ABSTRACTS - covers biology and related fields.

CHEMICAL ABSTRACTS CONDENSATES - covers all fields of chemistry and related subjects.

INDEX CHIMICUS - covers new chemical compounds.

DOW RESEARCH AND PROGRESS REPORTS - new books, papers to be published, etc.

For further information, write or call Marjorie Schaeffer, Computation Research Lab., 1707 Bldg., 6-0166.

G. Business Information Center has business information with world wide scope. If you have questions on business conditions or need other information on foreign countries, call Jo Epstein, 6-2012.

Vinyl chloride - Biological Effects

Chemical abstracts

carcinogenic activity of
brain electrical activity and cardiovascular
disorder in exposure to
heart response to vapors of

get @
i. l. l. y

76: 2374t *
69: 50599x *

metabolism of
sympathomimetic substances in blood after exposure to
toxicity of, chloroacetic acid formation in
toxicology of
toxicology of

70: 113464t *
71: 110573t * * ✓
71: 89621g
66: 1239j * * ✓
72: R 41109x *
73: 85988L *

ethyles, chloro- (a general article, including toxicity)

65: R 7039h

ethyles, chloro- book (general)

63: 16211b

Chaetocnema concinna control by
cholinesterase + proteins in blood serum after exposure to
in control of mediterranean + oriental fruit flies
effect on blood biochem indexes

58: 6140g

62: 9683h *

as insecticide synergist

59: 5712d

61: 11232a *

plant growth response to

63: 15471h

as plant regulator

58: 5982c

63: 4878c

toxicity of

56: 5078a *

toxicity of

62: 4510b *

toxicology of, physicochem. properties and
uterine response to, cyclopropane and trichloro effect
on bile + pancreatic juice in relation to

56: 13199b * * ✓

64: 16479b *

R&S 131194

Biological abstracts

for workers exposed to <u>vinyl chloride</u> human statistically S	55: 11452 *
occupational acroosteolysis <u>vinyl chloride</u> polyvinyl chloride	55: 11447 *
plastics industry	
N Acro osteolysis human <u>vinyl chloride</u> processing/cutaneous	55: 8436 *
Focus to the effect of <u>vinyl chloride</u> rabbit rat bone dystro	55: 34776 *
skin lungs and bones to <u>vinyl chloride</u> carcinogen epidermoid	52: 10 8716 * H
man poly vinyl chloride <u>vinyl chloride</u> Raynaud's phenomena/O	52: 4 6294 *
nyl methyl chloride <u>vinyl chloride</u> dichloroethane tri	52: 4 6328
changes in patients with <u>vinyl chloride</u> poisoning heart disten	52: 75521 *
in chlorine derivatives <u>vinyl chloride</u> trichloro ethylene O	52: 12 2291
ing chronic exposure to <u>vinyl chloride</u> fumes/dynamic change	51: 113 976
poisoning by <u>vinyl chloride</u> human/occupational p	51: 38122
monitoring exposures to <u>vinyl chloride</u> vapor breath analysis	51: 49734
M the chronic action of <u>vinyl chloride</u> vapors on a organism	51: 43945
poisoning Japan benzene <u>vinyl chloride</u> / a review on the rece	51: 136682
N the polymerization of <u>vinyl chloride</u> / Acro osteolysis occu	50: 30957 *
ring chronic action of <u>vinyl chloride</u> on the organism rabbi	49: 122386 *
teolysis human <u>vinyl chloride</u> / occupational acro os	49: 2932 *
al oxidation of several <u>vinyl compounds</u> / biologic ?	38: 12956 * H