

US EPA ARCHIVE DOCUMENT

OPP OFFICIAL RECORD
HEALTH EFFECTS DIVISION
SCIENTIFIC DATA REVIEWS
EPA SERIES 361

"INERT INGREDIENTS OF PESTICIDE FORMULATIONS"
(FORMAT FOR IDENTIFICATION AND TOXICOLOGICAL APPRAISAL)

900883

(22)

Format
II

A. EPA Accession Number and Name:

001222S Polyoxyethylene(4-70 moles) octylphenol

B. Description

C. Use as an Inert

D. Problems Encountered

001221 Octylphenoxypoly(ethyleneoxy)ethanol (4-70 moles of EO)
001222S Polyoxyethylene (4-70 moles) octylphenol
1222S and 1221 are synonyms; 1222S deleted, refer to new number
1221S.

E. Recommendation

F. Sources Used in Search

1. On Line Data Bases

- a. Toxline
- b. Medline
- c. Chemline

2. Major References

- a. The Merck Index
- b. NIOSH Registry of Toxic Substances
- c. Chemical Abstracts
- d. Biological Abstracts

NONIONIC SURFACTANTS (CLASS B)

1. Proposed Regulation Name:

Polyoxyethylene (4-70 mols) octylphenol

2. NACA Class B-2b, Group 1.

3. NACA Description of Class:

Nonionic surfactants prepared by reacting a minimum of 2 mols of ethylene oxide and/or propylene oxide with alkyl phenols (one or more alkyl side chains, with total carbon content of 8-24 carbon atoms in the side chains).

4. Comments: These are adducts of octylphenol with ethylene oxide.

5. Surfactants included under the name given in (1):

	<u>Aver.</u> <u>Mols EO</u>	<u>Approx. Aver.</u> <u>Mol. Wt.</u>
Triton X-45 (Rohm & Haas)	4.5	404
Triton X-114 (Rohm & Haas)	7	514
Igepal CA-630 (Antara)	9.5	624
Triton X-100 (Rohm & Haas)	9.7	633
Triton X-120 (Triton X-100 on MgCO ₃) (Rohm & Haas)	-	-
Triton X-131 (same as Triton X-100, but "finer" cut) (Rohm & Haas)	-	-
Igepal CA-710 (Antara)	10.5	668
Triton X-102 (Rohm & Haas)	12.5	756
Rohm & Haas Intermediate; POE (16) octylphenol (Rohm & Haas)	16	910

(See page 29a)

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Polyoxyethylene (4-70 mols) octylphenol - continued

	<u>Aver.</u> <u>Mols EO</u>	<u>Approx.Aver.</u> <u>Mol. Wt.</u>
Triton X-405 (Rohm & Haas)	40	1966
Rohm & Haas Intermediate; POE (70) octylphenol (Rohm & Haas)	70	3286

11 Surfactants



13544

R101053

Chemical: Poly(oxy-1,2-ethanediyl), .alpha.-((1,1,

PC Code: 900883

HED File Code 13100 Other Tox Documents

Memo Date: 01/01/87

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10/15/2004