

US EPA ARCHIVE DOCUMENT

Shaughnessy  
Number

063502

1

PM

11, 13, 15, 16,  
17, 21, 23, 25, 31

Reviewer: J. Wilson

JMC

Date

11/3/76

Team

Names:

Mineral Oil

128 products

Mineral seal

White mineral oil

Rereg. Category

Gaps

Call-in

Date Published in FR

Date Direct Notice

SGP's using this worksheet:

Batch	Team	Date assigned	Date Complete

11-3-76

①

Reviewer J. Wilson

RBJ

JMC

DATA REQUIREMENTS  
FOR REREGISTRATION

1/3

17 PM

063562

98-997 Mineral Oil

RESULTS & COMMENTS

CITATION

L# TS

EST TYPE CONDITIONS

Data not available

Chronic  
Oral

Toxicology

Oncogenicity

Reproduction

Chronic  
Feeding

S# 063502

-17 PM

2/3

DATA REQUIREMENTS FOR REREGISTRATION

Reviewer J. Wilson  
 RBJ  
 JMC

98-997 Mineral Oil

TEST TYPE	CONDITIONS	L#	TS	CITATION	RESULTS & COMMENTS
Mammalian Acute Oral				Powers, M. B., 1968. Acute Oral Administration. Submitted by Esso Research and Engineering Co. Reg. No. 64498 10-13-72 (004153) Woodward Res. Corp.	Ref, 10% w/v, 5 fish/yr - 0.464, 1.0, 2.15, 4.64, 10.0g/kg Mortality - 0.464 - 2/10 1.0 - 1/10 LD <sub>50</sub> > 10g/kg Rough few, excessive urination at highest level
Avian Subacute				Kroth, W. B., Woodward, G. 1968. MRD 68-11 Subacute Toxicity in Domestic Ducks. Woodward Res. Corp. Submitted by Esso Research and Engineering Co. Reg. No. 3855-2, 10-13-72 (004153)	Ducky 10/gr, 8 days (5+3) - 0, 0, 600, 1800, 3200, 5600, 10000 ppm - No mortality LC <sub>50</sub> > 10,000 ppm
Acute (96 hr) LC50				Kroth, W. Woodward, G. 1968. MRD 68-11 Safety Evaluation on Bluegill Sunfish. Woodward Res. Corp. Submitted by Esso Research and Eng. Co. Reg. No. 3855-2, 10-13-72 (004153)  Flit MLO - Bioassays with Coho Salmon 1970. Canadian Dept of Fisheries and Forestry.	Bluegill, 20 fish/gr, 5 grs. - 0, 4, 19, 75, 150 ppm No mortality LC <sub>50</sub> > 150 ppm (96hr)  Coho Salmon, 5 fish/gr. - 5.5 to 7°C 100, 400, 600, 1000, 5000 ppm Only mortality is at 5000 40% - 48hr, 100% - 72hr 96 hr LC <sub>50</sub> 3800 ppm

DATA REQUIREMENTS  
FOR REREGISTRATION

S # 063502 -17 PM 3/3

Reviewer J. Wilson

RBJ

JMC

98-99% Mineral Oil

N

TEST TYPE	CONDITIONS	L#	TS	CITATION	RESULTS & COMMENTS
Aquatic (96 hr) LC50				Flit-MLO toxicity to fathead minnow. 1968. Ontario Water Resources Comm. Submitted by Esso Res. and Eng. Corp. Rep. No. 3855-2, 10-13-72 (004153)	Fathead minnow, 20-22°C 5 fish/gr. 0, 530, 950, 1700, 2970, 5300 ppm LC50 1098 ppm (96 hr)
Invertebrate LC50				Flit-MLO toxicity to pink shrimp. <del>1968</del> 1969. U.S.D.I., Bureau of Commercial Fisheries (same as above)	Pink shrimp, 30°C, 78 ppm No paralysis or mortality after 48 hrs.

KEY USES: FOOD \_\_\_\_\_ ENCLOSED WORK SP. \_\_\_\_\_

FORMULATION:

**Flit MLO**

2-benyl phenol  
Mineral Oil

INERT INGREDIENT INFORMATION IS NOT INCLUDED

0.2%  
99%

TEST TYPE	TEST RESULT	TOX. CAT.	DATA CITATION	TEST DESCRIPTION & SIGNIFICANT COMMENT
Acute Oral	$L_{D50} > 10.0g/kg$		Powers, m.B. 1968. Acute toxicity of Flit MLO (MAD - 67-41). Hazleton Labs. Submitted by Esso Res. and Eng. Co. Reg. No. 644-98 10-13-72 (004153)	Rat, Tech. 99%, undiluted + 10% H <sub>2</sub> O susp. - 5 ♂ + 5 ♀ / gr. - 0.464, 1.0, 2.15, 4.64, 10.0 g/kg - Mortality 0.464 - 2/10, 1.0 - 1/10 - $L_{D50} > 10g/kg$ - Rough fur, excessive urination at highest level
Acute Dermal	$L_{D50} > 3160mg/kg$			Rabbit, undiluted, abraded and unabraded - 4 rabbits / group - 100, 316, 1000, 3160 mg/kg - No mortality, soft feces and terminal wt. loss in one or two animals at 316 and 1000 mg levels. S.I. to mod. skin irrit.
Acute Inhalation				Rat, 10♂ + 10♀, undil, 1 hr. - 200mg/L - No mortality - Rapid and irregular respiration - 1 day Nasal bleeding, lethargy, partial closure of eyes and hyperemia in ears and pads of body not covered by fur. All clear by day 5. Slight to moderate alopecia developed, essentially clear day 12.

S. # 063502

PM

17

FORMULATION/JSI - HAZARD PROFILE

FORMULATION:

KEY USES:

FOOD

ENCLOSED WORK SP.

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TEST TYPE	TEST RESULT	TOX. CAT.	DATA CITATION	TEST DESCRIPTION & SIGNIFICANT COMMENT
Eye Irritation	Slight irritation	3	Ibid.	Rabbit, 0.1 ml undiluted - 9 rabbits, 3 un washed, 6 washed - Slight redness and discharge, All clear in 4 days.

S # 063502

PM

17

FORMULATION/JSI: - HAZARD PROFILE

FORMULATION:

98.81% Mineral Oil

KEY USES:

FOOD

ENCLOSED WORK SP.

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TEST TYPE	TEST RESULT	TOX. CAT.	DATA CITATION	TEST DESCRIPTION & SIGNIFICANT COMMENT
Aspiration	No mortality		Aspiration Hazard of Mineral Oil. 1964. Medical Res. Div. Esso Res. & Eng. Co. Reg. No. 2042-9 (105257) 1-3-64	Rat, 100% liquid applied to trachea - Same lung involvement in both lobes apparent. Does not cause fulminating chem. pneumonitis.



FORMULATION: Pyroside 170 0.25%  
 Piperonyl butoxide 0.30%  
 Isopar L (mineral oil) 43.95%  
 [REDACTED]

KEY USES: FOOD \_\_\_\_\_ ENCLOSED WORK SP. \_\_\_\_\_

Mosquito fogging cones

INSERT INGREDIENT INFORMATION IS NOT INCLUDED

*[Signature]*

TEST TYPE	TEST RESULT	TOX. CAT.	DATA CITATION	TEST DESCRIPTION & SIGNIFICANT COMMENTS
Aspiration	No mortality		Gerardy, D. F. and Gerardo, H. W. 1961. The aspiration hazard and toxicity of an aerosol preparation. Fairleigh Dickinson University. Submitted by MCK, Inc. Reg. No. 1021-1185 (104220) 3-1-72	Prod 1007 aerosol, spray applied to bank of mouth for 5 sec, 24 hrs. obs. - increased lung wt. and pulmonary hemorrhage in 2/10. - eyes, ears, and nose appeared red and irritated. - head & neck for cones only.

KEY USES: Mosquito control

FOOD \_\_\_\_\_ ENCLOSED WORK SP. \_\_\_\_\_

FORMULATION:

Pyrethins 12%  
 Piperonyl Butoxide 60%  
 Mineral Oil 28%

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TEST TYPE	TEST RESULT	TOX. CAT.	DATA CITATION	TEST DESCRIPTION & SIGNIFICANT COMMENT
Acute Oral	LD50 = 3720 mg/kg	3	Kretschmar, B. et al., 1972 Acute Oral Toxicity Study with Mosquito Adulticiding Conc. Ind. Bio-test Lab. # A1395 1021-1165, 4-17-72, (050909)	Rat, undil, 4 rats/gr, 2♂+2♀ - 2025, 3038, 4556, 6834 mg/kg - Hypoactivity, muscular weakness, ruffed fur, locomotion, tremors, salivation, fibrillations, convulsions.

FORMULATION/JSI - HAZARD PROFILE

PM 11

S 7

FORMULATION:	KEY USES:	FOOD	ENCLOSED WORK SP.
<p>① Linseed oil 40.75%</p> <p>Perfume 2.0</p> <p>Cedarwood oil 2.0</p> <p>Iodine 0.25</p> <p>Mineral oil 42.0</p> <p>Phenol 2.0</p> <p>Methyl Salicylate 2.0</p> <p>Terpentine 7.0</p> <p>Ethyl p-Aminobenzoate 2.0</p>			
TEST TYPE	TEST RESULT	TOX. CAT.	DATA CITATION
19215-1			
Eye Irritation	No irritation		<p>Rabbit, 1/group, 3 groups</p> <p>- Unwashed, immediate wash, 10 sec wash</p> <p>- No irritation</p> <p>Note: The oil and the ointment were tested. No reaction with either.</p>
Skin Irritation			<p>Rabbit, 1/group, intact and abraded</p> <p>- 5% irritation with ointment at 72 hrs.</p> <p>- No irritation with oil</p>

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FATM ALCOHOL

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  - The product confidential statement of formula.
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