

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

346

SUBJECT: New Registrations for OFF! Spray Insect Repellent and Formula II Insect Repellent

DATE: 2/10/75

FROM: TB

TO: Product Manager.

Registration No: 4822-RGI and 4822-RGT

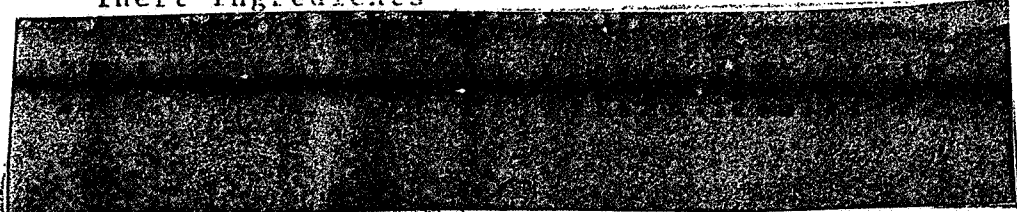
Registrant: S.C. Johnson & Son, Inc.
Racine, Wisconsin 53403

Use: Insecticide for controlling mosquitoes.

Formulations

(1) OFF! Spray Insect Repellent

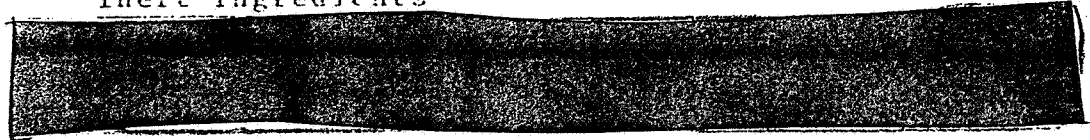
<u>Active Ingredients</u>	% by wt.
N,N-diethyl-meta-toluanide	10.0
2-ethyl-2,3 hexanediol	10.0
<u>Inert Ingredients</u>	



(Flash point: 88°F, Tag Open-Cup)

(2) OFF! Formula II Insect Repellent

<u>Active Ingredients</u>	% by wt.
N,N-diethyl-meta-toluanide	10.0
N-octyl bicycloheptene dicarboximide	3.0
di-n-propyl isocinchonemate	0.5
2,3: 4,5-bis (2-butylene) tetrahydro-2-furaldehyde	0.5
<u>Inert Ingredients</u>	



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Toxicity Data for Formulation (1.) Above:

Acute Oral (Rat), M LD₅₀ >5000 and <10,000 mg/kg
Acute Oral (Rat), F LD₅₀ 5000 mg/kg

Primary Skin Irritation (Rabbit)-
Irritation index was 0 (zero) for both abraded and unabraded areas.

Eye Irritation (Rabbit)-
Minimally irritating (1 hr-8.0; 1 day-6.33; 2 days-2.0; and 3 days -0.0)

Eye Irritation, direct spray in eye (Rabbit)-
No irritation- all readings zero.

Toxicity Data for Formulation (2.) Above:

Acute Oral (Rat), M LD₅₀ >7,500 and <10,000 mg/kg
Acute Oral (Rat), F LD₅₀ >2,000 and <5,000 mg/kg

Eye Irritation (Rabbit)-
Minimally Irritating (1 day -4.67; 2 days - 0.33;
3 days -0.0)

Primary Skin Irritation (Rabbit)- No irritation-
all readings zero

Findings/Recommendations

It has no adverse comments. Precautionary labeling is adequate.

Robert B. Jaeger, Physiologist
Toxicology Branch
Registration Division (WH 567)

cc: Branch Reading File
RJaeger:ir: 2/10/75
Initial G.E.Whitmore

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