

US EPA ARCHIVE DOCUMENT

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

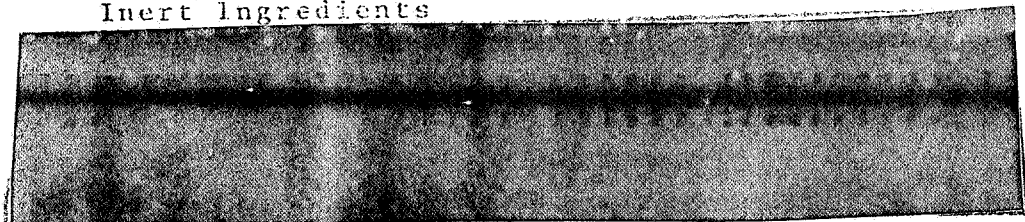
Registrant: S.C. Johnson & Son, Inc.
Racine, Wisconsin 53403

Use: Insecticide for controlling mosquitoes.

Formulations

(1) OFF! Spray Insect Repellent

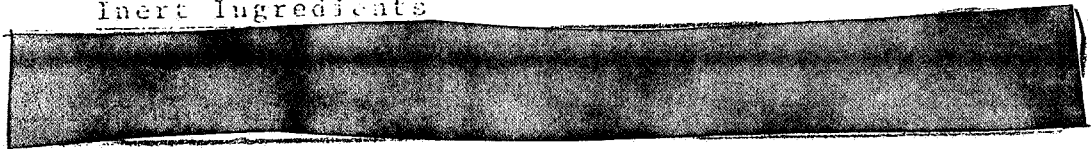
| | |
|----------------------------|----------|
| <u>Active Ingredients</u> | 3 by wt. |
| N,N-diethyl-meta-toluanide | 10.0 |
| 2-ethyl-1,3 hexanediol | 10.0 |
| <u>Inert Ingredients</u> | |



(Flash point: 88°F, Tag Open-Cup)

(2) OFF! Formula II Insect Repellent

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



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.F. Whitmore