

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

Active Ingredients

N,N-diethyl-meta-toluanide

2-ethyl-1,3 hexanediol

Inert Ingredients

3 by wt.

10.0

10.0

(Flash point: 88°F, Tag Open-Cup)

(2) OFF! Formula II Insect Repellent

Active Ingredients

N,N-diethyl-meta-toluanide

N-octyl bicycloheptene dicarboximide

di-n-propyl isocinchoneronate

2,3: 4,5-bis (2-butylene) tetrahydro-

2-furaldehyde

Inert Ingredients

2 by wt.

10.0

3.0

0.5

0.5

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

There are 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