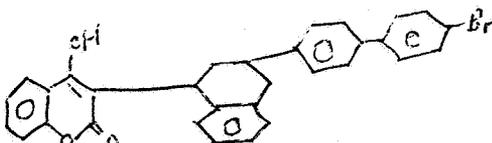


US EPA ARCHIVE DOCUMENT

Subject: Supplement to Review dated 8/31/79  
Reg. File No. 10182-ET-EO

Physical and Chemical characteristics of TALON 0.25% liquid concentrate.

1. Talon is a rodenticide concentrate containing 0.25% brodifacoum and is used at 2% in the formulation to provide 50 ppm in the finished product.
2. Chemical Name: 3-[3-(4'-bromo[1,1'-biphenyl]-4-yl)-1,2,3,4-tetrahydro-1-naphthalenyl]-4-hydroxy-2H-1-benzo-pyran-2-one
3. Chemical Structure:



4. Common Name: Brodifacoum ; *exists in cis and trans forms*
5. Solubility: Soluble in benzene and chloroform. Moderately soluble in acetone, ethanol, ethyl acetate, glycerol and polyethylene glycol. Insoluble in water and petroleum ether.
6. Physical State: solid
7. Color: off-white
8. Odor: not detectable
9. Stability: Active ingredient is stable for at least 12 months at temperatures from ambient to 50°C. Crystallizes at temperatures below 10°C.
10. Vapor Pressure: 1.0 mm hg at 20°C
11. Boiling point: 186°C
12. Specific gravity: 1.043

M. Nawar *10/15/79*  
Review Section 1  
Environmental Fate Branch  
Hazard Evaluation Division

Ronald E. Ney, Jr.

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