

US EPA ARCHIVE DOCUMENT

1. COMMON NAME

2. CHEMICAL NAME

1-Naphthaleneacetamide

SHARON # 52001
NAPHTHALENE ACETAMIDE

3. REGISTRANT

Achem Products, Inc.

4. REG. NO.
Reg. No #10 - 264-129

5. DATE SUBMITTED
11/7/74

6. TRADE NAME,
CODES, ETC.

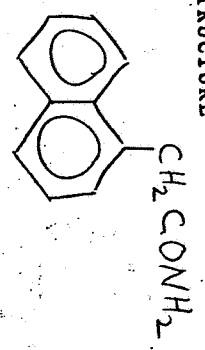
Roatone, Amid Thim

7. TYPE PESTICIDE
Plant growth regulator

8. SIMILAR TO OTHER
PESTICIDE

1-Naphthaleneacetic acid
similar in structure to AMTJ

9. STRUCTURE



10. MANUFACTURING IMPURITIES AND PERCENTAGES



MANUFACTURING PROCESS INFORMATION IS NOT INCLUDED

11. PHYSICAL AND CHEMICAL PROPERTIES

EMP. FORM C₁₂H₁₁NO

MOL. WT. 185

MT. PT. 184 °C

BO. PT.

STATE white crystalline powder

ODOR

COLOR white

VOLATILITY - NON-FLAMMABLE

SP. GR.

SOL. IN WATER 40 °C
0.0039 gm/100 gm

SHELF LIFE OF PRODUCT 60 °C
0.0072 gm/100 gm

12. very stable under normal storage conditions

13. DEGRADATION PRODUCTS: List chemical name, other names and where found

1 - Naphthaleneacetic acid - apples and apple leaves

4. ANALYTICAL METHODS

app. 25% dissipation extractables																			
50%																			
90%																			
app 25%																			
50%																			
90%																			
app 25%																			
50%																			
90%																			
app 25%																			
50%																			
90%																			

ANCE LEACHED
 app 25% dissipation extractables

DEPTH OF SOIL (SEGMENTS)

ELUTE

18. LAB. LEACHING STUDY PAGE NO. REPORT	PERCENT ELUTED	SOIL TYPE	DEPTH OF SOIL (SEGMENTS)						WATER
SOIL COLUMNS RAPID ELUTION									
19. AGED STUDY SLOW ELUTION PAGE NO. REPORT NO.	PERCENT ELUTED	SOIL TYPE	CLASS	%	RUNOFF	RUNOFF	OTHER	OTHER	
SOIL TLC PAGE NO. REPORT NO.									
21. RUNOFF LAB. STUDY PAGE NO. REPORT NO.	SOIL TYPE	DISTANCE SOIL	%	RUNOFF	RUNOFF	OTHER	OTHER		
FIELD RUNOFF STUDY PAGE NO. REPORT NO.	SOIL TYPE	DISTANCE PPM	PPM IN WATER	OTHER	OTHER				

23. HYDROLYSIS
PAGE NO.
REPORT NO.

TIME WHEN % PARENT
HYDROLYSIS

TOTAL RESIDUES REMAINING AT
% HYDROLYSIS OF PARENT

	10%	25%	50%	10%	25%	50%
PH						
PH						
PH						
PH						

24. PHOTODEGRADATION
ON SOIL
PAGE NO.
REPORT NO.

TIME WHEN % PARENT
PHOTODEGRADES

TOTAL RESIDUES REMAINING AT
% PHOTODEGRADATION OF PARENT

	10%	25%	50%	10%	25%	50%
PH						
PH						
PH						
PH						

25. PHOTODEGRADATION
IN WATER
PAGE NO.
REPORT NO.

26. PHOTODEGRADATION
ON GLASS
PAGE NO.
REPORT NO.

27. PHOTODEGRADATION
PAGE NO.
REPORT NO.

28. EFFECTS ON SOIL MICROBES.

29. EFFECTS BY SOIL MICROBES

9. CROP ROTATION DATA
 PAGE NO.
 REPORT NO.

ARE RESIDUES FOUND IN SUBSEQUENT CROPS WHICH CROPS TIME INTERVAL FROM TREATMENT TO PLANTING SUBSEQUENT CROPS

1. FISH ACCUMULATION PAGE NO. REPORT NO. FISH TYPE	TYPE STUDY	EXPOSURE LEVELS	ACCUMULATION			PLATEAU		% EXTRACTABLE IN TISSUE AND BOUND	
			TISSUE	VISCERA	TIME	LEVEL	POLAR	NONPOLAR	BOUND
FISH TYPE									
FISH TYPE									
2. CRAY FISH STUDY PAGE NO. REPORT NO.									
3. SIMULATED POND STUDY PAGE NO. REPORT NO.									
4. BIRD ACCUMULATION STUDY PAGE NO. REPORT NO. TYPE BIRD TYPE BIRD	% EXCRETED	PPM IN EGG	PPM IN TISSUE	PPM IN FAT	OTHER				
5. RAT FEEDING STUDY PAGE NO. REPORT NO.	% EXCRETED URINE FECES	% IN CO2	% IN CAGEWASH	% IN TISSUE	OTHER				
6. COW FEEDING STUDY PAGE NO. REPORT NO. TYPE ANIMAL	% EXCRETED	% IN TISSUE	% IN MILK	PPM IN MILK	PPM IN FAT				
7. OTHER ANIMAL FEEDING STUDIES PAGE NO. REPORT NO.									