Union Carbide trial exhibit UC-2529: Union Carbide Tech Center Daphnia magna Acute Toxicity Test Data Sheet for...
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ACUTE TOXICITY DATA

Sponsor: Tech Center
Test Material: COS Outfall Sample
Test Organisms: Daphnia Magna
Charge
Date Received 1-14-86
No./Test Concn. 10
Test Volume 100ml
Notebook Ref. 40-GTW-108
Reported
Protocol
Date: 1-14-86
Data by: RLB
QA/QC:

Test Concn.	Date: 1-14-86 Stock SOT	Time: 14:00 0-Hour By RLB Temp 21°C		Date: 1-15-86 Time: 1:30 PM 24-Hour By RLB Temp 21°C				Date: 1-16 Time: 1:30 PM 48-Hour By RLB Temp 22°C				Date: Time: 72-Hour By Temp				Date: Time: 96-Hour By Temp			
X % ___ mg/L	100 % ___ mg/L Vol added	DO	pH	DO	pH	Resp	Dead	DO	pH	Resp	Dead	DO	pH	Resp	Dead	DO	pH	Resp	Dead
Control	0	8.9	7.2			N	0	8.7	7.3	N	1								
30%	30ml	8.9	7.6			N	0	8.7	7.7	N	0								
60%	60ml	8.9	7.8			N	0	8.7	7.7	N	0								
60%	60ml	8.9	7.8			N	0	8.7	7.7	N	0								
100%	100ml	8.8	7.9			N	0	8.8	7.7	N	0								
100%	100ml	8.8	7.9			N	0	8.8	7.7	N	0								

LC 50 ___ mg/L
X %

>100, no deaths >100, no deaths

95% CL Lower/upper
Observed no effect level
Calculation Method
Spearman Karber ___ Probit ___ Moving Avg. ___ Litchfield-Wilcoxon

Animal Response Key
N - Observation was made and nothing out of the ordinary was observed
AS - At the surface
MSP - Muscle Spasm
CLE - Complete Loss of Equilibrium
PLE - Partial Loss of Equilibrium
LETH - Lethargic
HYP - Hyperactive
ERR - Erratic
GY - Gyrating
DRK - Dark Pigmentation
LP - Light Pigmentation
HEM - Hemorrhagic
RAR - Rapid Respiration
G - Gulping
RG - Redgills

Chemical Observations
PRE - Precipitation
FOS - Film on Surface
UC - Undissolved Chemical
CLDY - Cloudy Solution

Dilution Water
X Kanawha River
___ Dechlorinated
Hardness 72 Salinity
pH 7.2 Alk.
Animal Data
Source EPA Lab/UCC Labculture Date
Weight
Size
Age 0-48 hrs.
Deaths in Holding Period

Comments
2185J

UCC 024371

PLAINTIFF'S EXHIBIT
UC-2529

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