

Experiment Number: F06575

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Metal Working Fluids: CIMSTAR 3800

CAS Number: CIMSTAR3800

Date Report Requested: 09/21/2018

Time Report Requested: 15:07:32

**NTP Study Number:**

F06575

**Study Duration:**

13 Weeks

**Study Methodology:**

Flow Cytometry

**Male Study Result:**

Negative

**Female Study Result:**

Negative

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Test Compound: Metal Working Fluids: CIMSTAR 3800

CAS Number: CIMSTAR3800

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Tissue: Blood; Sex: Male; Number of Treatments: 91; Time interval between final treatment and cell sampling: 24 h

Dose (mg/m3)	N	MN PCE/1000		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control <sup>1</sup>	5	2.420 ± 0.152		5	1.311 ± 0.038		1.904 ± 0.093	
25.0	6	1.892 ± 0.208	0.9222	6	1.380 ± 0.047	0.5601	3.133 ± 1.276	1.0000
50.0	5	2.070 ± 0.162	0.9589	5	1.331 ± 0.035	0.6490	1.952 ± 0.069	1.0000
100.0	5	2.100 ± 0.045	0.9697	5	1.275 ± 0.030	0.6825	1.548 ± 0.076	0.0745
200.0	5	2.160 ± 0.159	0.9568	5	1.249 ± 0.024	0.6997	1.627 ± 0.040	0.2371
400.0	5	2.190 ± 0.108	0.9455	5	1.261 ± 0.022	0.7101	1.617 ± 0.062	0.3264
Trend p-Value		0.3849			0.9813		0.0026 *	

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 91; Time interval between final treatment and cell sampling: 24 h

Dose (mg/m3)	N	MN PCE/1000		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control <sup>1</sup>	5	1.740 ± 0.111		5	0.975 ± 0.044		1.365 ± 0.078	
25.0	5	1.630 ± 0.145	0.6130	5	0.905 ± 0.029	0.8893	1.834 ± 0.097	0.1030
50.0	5	1.690 ± 0.149	0.6898	5	0.908 ± 0.023	0.9415	1.593 ± 0.158	0.1223
100.0	5	1.700 ± 0.160	0.7032	5	0.911 ± 0.029	0.9561	1.422 ± 0.109	0.1300
200.0	5	1.810 ± 0.148	0.6251	5	0.946 ± 0.024	0.9631	1.609 ± 0.096	0.1167
400.0	5	1.680 ± 0.086	0.6372	5	0.903 ± 0.012	0.9677	1.758 ± 0.053	0.0131 *
Trend p-Value		0.4517			0.7657		0.1445	

Trial Summary: Negative

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LEGEND

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MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte

CAS Number = Chemical Abstracts Service registry number

N = Number of subjects

Values given as Mean or Mean  $\pm$  Standard Error Mean

Pairwise comparison with the control group; values are significant at  $P \leq 0.025$  by Williams or Dunn's test

Dose-related trend; significant at  $P \leq 0.025$  by linear regression or Jonckheere's test

\* Statistically significant pairwise or trend test

1: Vehicle Control: Air

**\*\* END OF REPORT \*\***