

Chemical Name	: <u>Trichlorofluoromethane</u>
Synonym	: <u>Trichloromonofluoromethane</u> <u>CFC-11</u> <u>R-11</u> <u>フロン-11</u>
Molecular Weight	: 137.37
Melting Point	: -111· -110°C[Aldrich]
Boiling Point	: 23.7°C[Aldrich]
Flashing Point	: None[Aldrich]
Molecular Formula	: CCl ₃ F
Chemical Structure	CCl ₃ F
CAS No.	: 75-69-4
MITI No.	: (2)-2365
ML No.	: -
Specified Chemical Substances	: -
Source of Substance	: Tokyo Kasei Kogyo Co., Ltd.
Lot No.	: AO01
Purity	: >99%
Vehicle	: Air
Exposure Condition	: 37°C, 48hr
Culture Condition	: 37°C, 48hr

Conc. %	Number of Revertants/plate									
	Base-substitution						Frame-shift			
	TA100		TA1535		WP2 _{uvrA}		TA98		TA1537	
Air	S9-	S9+/40%	S9-	S9+/40%	S9-	S9+/40%	S9-	S9+/40%	S9-	S9+/40%
	(95)	(98)	(32)	(15)	(45)	(42)	(24)	(30)	(7)	(21)
2	86 (96)	87 (84)	29 (29)	17 (17)	57 (52)	57 (44)	14 (14)	33 (34)	14 (12)	15 (18)
5	78 (86)	83 (81)	29 (30)	16 (13)	56 (57)	41 (41)	12 (13)	29 (34)	6 (7)	14 (15)
10	76 (79)	80 (89)	15 (18)	16 (13)	56 (48)	31 (39)	9 (11)	33 (32)	6 (8)	14 (16)
20	73 (76)	66 (63)	8 (10)	9 (9)	27 (23)	28 (25)	13 (13)	31 (29)	5 (6)	3 (6)
50	0 (0 *)	0 (0 *)	0 (0 *)	0 (0 *)	0 (0 *)	0 (0 *)	0 (0 *)	0 (0 *)	0 (0 *)	0 (0 *)
Judgement	-	-	-	-	-	-	-	-	-	-
Specific Mutagenicity										
Positive Control	AF-2 (326)	2-AA (367)	NaN ₃ (232)	2-AA (498)	AF-2 (260)	2-AA (758)	AF-2 (340)	2-AA (62)	9-AA (651)	2-AA (51)

* Growth inhibition was observed.

Mutagenicity in Bacterial Test ; Negative

IARC Evaluation ; not yet cited