Table 18. Price estimate of salt coolants in 1971 (U.S. dollars)

Coolant		Composition (%)	Melting point (ºC)	Cost ($/kg)	Cost ($/liter)
AHTR candidate coolant salts					
$NaF-KF-ZrF_4$					
	mol %	10-48-42	385	4.6	11.7
	wt %	4-27-69			
$^7LiF-NaF-KF$					
	mol %	46-11.5-42.5	454	11.3	24.1
	wt %	29-12-59			
$^7LiF-NaF-BeF_2$					
	mol %	35-27-38	335	17.5	35.0
	wt %	24-46-30			
$^7LiF-BeF_2$					
	mol %	67-33	460	26.3	52.2
	wt %	53-47			
Other industrial salts					
$NaNO_3-NaNO_2-KNO_3$					
	mol %	7-48-45	142	0.33	0.57
$NaF-NaBF_4$					
	mol %	8-92	385	0.82	1.5
LiCl-KCl					
	mol %	59-41	355	1.12	1.8
Other low-vapor pressure coolants					
Pb			327	0.4	4.1
Na			98	0.88	0.72
Pb-Bi			125	7.45	74.4
Bi			271	13.2	129

Table 19. Commodity Prices for Selected Materials

Material	Commodity price[a] ($/kg)	Price of contained metal $/kg-metal	Derived fluoride price ($/kg-fluoride)	World-wide production (ton/y)
LiF	17.00	63.54	63.54	--
Li_2CO_3	1.72	9.16	2.45	~50,000
BeO	100.00	610.00	117.00	--
Be-metal	770.00	770.00	147.4	--
11% BeO-ore	0.080	2.02	--	114 (Be element)
Zr-metal	30.80	30.80	16.80	--
ZrO_2	8.89	11.89	6.48	--
98% ZrO_2-ore Baddeleyite	3.00	4.05	2.2	21,300
NaF	1.37[b]	2.56	1.32	very large

[a]All prices are from the UGSG Minerals Yearbook except NaF. USGS prices are for 2002 except LiF (1995) and Li_2CO_3 (2004).

[b]Price from *Chemical Marketing Reporter* volume 267(12) p.18.