

7 July 1998

Mr. Peter Richards
 Richards, Buell, Sutton
 Barristers and Solicitors
 300 1111 Melville Street
 Vancouver, BC V6H 4H7

Dear Mr. Richards:

Re: ATS Electro-Lyte

As per your instructions, I have conducted a preliminary search of information to assess the carcinogenicity of the materials that comprise the ATS Electro-Lyte. In particular, the non-aqueous materials in question are (the numbers in parentheses are the CAS (chemical abstract) numbers used to identify the substances): dimethyl sulfoxide (67-68-5), sodium azide (26628-22-8), potassium iodide (7681-11-0), potassium thiocyanate (333-20-0) and ethylene glycol (107-21-20).

Material safety data sheets (MSDS) which contain information about the carcinogenicity of these materials were consulted. The source of these MSDS was the Department of Chemistry of the University of Utah. MSDS are available through the internet from this source at the following address:

<http://www.chem.utah.edu/MSDS/msds.html>

In the section of the MSDS labeled "Health Hazard Data", carcinogenicity is reported based on comprehensive information from a number of governmental, regulatory and research organizations. In particular, carcinogenicity is reported as assessed by the National Toxicity Program (NTP) in the US, the International Agency for Research on Cancer (IARC) of the World Health Organization, and the Occupational Safety and Health Administration (OSHA) in the US. The following table summarizes the information contained in the MSDS for the five substances in question.

Material	Carcinogenicity as Assessed by		
	NTP	IARC	OSHA
Dimethyl Sulfoxide	NO	NO	NO
Sodium Azide	NO	NO	NO
Potassium Iodide	NO	NO	NO
Potassium Thiocyanate	NO	NO	NO
Ethylene Glycol	NO	NO	NO

In summary, none of the materials contained in the ATS Electro-Lyte are considered carcinogens.

This conclusion is corroborated by the absence of these materials from an IARC and NTP list of substances and processes regarded as confirmed or possible human

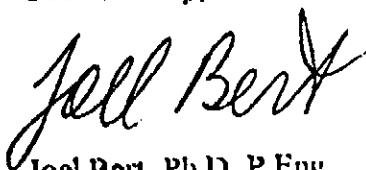
carcinogens. For your information this list is publicly available on the web at the following address:

<http://www.ozemail.com.au/~paulr/cancer.html>

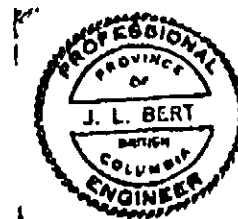
and is based on the following references:

1. International Agency for Research on Cancer, World Health Organization, Monographs volumes 1-60, 1972-1994 and Supplement 7, 1987.
2. U.S. Department of Health and Human Services, National Toxicology Program, Sixth Annual Report on Carcinogens, 1991.

Submitted by,



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and
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