6. EVALUATION

6.1 Cancer in humans

There is sufficient evidence in humans for the carcinogenicity of welding fumes. Welding fumes cause cancer of the lung. Positive associations have been observed with cancer of the kidney.

There is sufficient evidence in humans for the carcinogenicity of ultraviolet radiation from welding. Ultraviolet radiation from welding causes ocular melanoma.

6.2 Cancer in experimental animals

There is limited evidence in experimental animals for the carcinogenicity of gas metal arc stainless steel welding fumes.

6.3 Overall evaluation

Welding fumes are carcinogenic to humans (Group 1).

Ultraviolet radiation from welding is carcinogenic to humans (Group 1).