



EUROPEAN COMMISSION
DG Employment, Social Affairs and Inclusion
Employment and Social Legislation, Social Dialogue
Health and Safety

The Advisory Committee on Safety and Health at Work

Opinion

**Opinion on an EU Binding Occupational Exposure Limit Value (BOEL) for
Acrylonitrile
under the Carcinogens and Mutagens Directive 2004/37/EC.**

Doc. 1050/19

Adopted on 04/06/2019

Acrylonitrile

This Opinion is one of a series of chemical specific Opinions adopted by the ACSH in support of the forthcoming Commission proposal on amending the Carcinogens and Mutagens Directive (CMD) 2004/37/EC.

In the meetings of the Working Party of Chemicals on 19th – 20th March 2019 and 29th – 30th April 2019, the adopted RAC Opinion ECHA/RAC/ O-0000001412-86-188/F¹ of March 2018 was discussed.

The three Interests Groups agreed on the limit values recommended by RAC for acrylonitrile.

The three Interest Groups agreed on a four year transition period starting from the entry into force of the new Directive.

The ACSH strongly recommends the Commission to adopt as soon as possible a BOEL for this substance under Directive 2004/37/EC.

The entries in the Directives should be:

EC No	CAS No	NAME OF THE CHEMICAL AGENT	LIMIT VALUES				Notation
			8 hours		Short-term		
			mg/m ³	ppm	mg/m ³	Ppm	
203-466-5	107-13-1	Acrylonitrile	1	0.45	4	1.8	skin

The three Interest Groups also agreed on the Biological Limit Value (BLV) as proposed by RAC but note that, at present, BLVs are not proposed under the CMD. The three interest groups suggest that this BLV is taken into consideration when developing the guidance on the practical use of biomonitoring.

The BLV proposed by RAC is 60 µg CEV/L blood (erythrocyte fraction of whole blood) (sampling time: after at least 3 months of exposure)².

¹ https://echa.europa.eu/documents/10162/13641/acrylonitrile_opinion_en.pdf/102477c9-a961-2c96-5c4d-76fcd856ac19

² For smokers, an average internal background concentration of about 4 (0.8 to 9.2) µg CEV/L blood has to be considered.