

CHEMICAL SUBSTANCES AND OTHER ISSUES UNDER STUDY

BEIs®

The BEI® Committee solicits information, especially data, which may assist it in its deliberations regarding the following substances and issues. Comments and suggestions, accompanied by substantiating evidence in the form of peer-reviewed literature, should be forwarded in electronic format to The Science Group, ACGIH® (science@acgih.org). In addition, the Committee solicits recommendations for additional substances and issues of concern to the industrial hygiene and occupational health communities. Please refer to the ACGIH® TLV®/BEI® Development Process found on the ACGIH® website for a detailed discussion covering this procedure and methods for input to ACGIH® (<http://www.acgih.org/TLV/DevProcess.htm>).

The Under Study list is published each year by February 1 on the ACGIH® website (www.acgih.org/TLV/Studies.htm), in the ACGIH® Annual Reports, and later in the annual *TLVs® and BEIs®* book. In addition, the Under Study list is updated by July 31 into a two-tier list.

- Tier 1 entries indicate which chemical substances and physical agents **may** move forward as an NIC or NIE in the upcoming year, based on their status in the development process.
- Tier 2 consists of those chemical substances and physical agents that **will not** move forward, but will either remain on, or be removed from, the Under Study list for the next year.

This updated list will remain in two tiers for the balance of the year. ACGIH® will continue this practice of updating the Under Study list by February 1 and establishing the two-tier list by July 31 each year.

The substances and issues listed below are as of January 1, 2009. *After this date, please refer to the ACGIH® website (<http://www.acgih.org/TLV/Studies.htm>) for the up-to-date list.*

Chemical Substances

Alachlor	Pentachlorophenol
Beryllium	Polycyclic Aromatic Hydrocarbons (PAHs)
Fluorides	Thallium
Manganese	Toluene diisocyanate
Mercury	Vanadium pentoxide
α-Methyl styrene	Xylenes
Naphthalene	

Other Issues

1. Metabolic polymorphisms.
2. Consistency of BEI® *Documentation*.

Feasibility Assessments

For the substances listed below, the BEI[®] Committee has determined that developing a BEI[®] is not currently feasible owing to inadequate scientific data. However, the Committee believes that these substances may pose important risks to the health of workers, and therefore, it encourages the submission of new data. Field or experimental studies on the relationship between biological indicators and either health risk or environmental exposure are needed for these agents. A brief summary of the current negative feasibility assessment, including data needs, for each of the listed substances is available from The Science Group, ACGIH[®].

Substance	Date of Feasibility Assessment
Acrylonitrile	March 1994
Aluminum	September 2007
Antimony	November 1996
Beryllium	September 2002
Chlorpyrifos	October 1996
1,4-Dichlorobenzene	March 1994
2,4-Dichlorophenoxy- acetic acid	March 1994
2-Ethyl hexanoic acid	September 2001
Hydrazines	March 1994
Inorganic borates	October 1995
Manganese	April 1995
Methyl tert-butyl ether	October 1993
Methyl n-butyl ketone	October 1995
Methyl formate	September 2005
Nickel	November 1996
Perfluorooctanoic acid (PFOA)	April 2007
Selenium	October 1995
Trimethylbenzene	August 1999
Vinyl chloride	August 2002

BEI[®]

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