DELL TECH
Laboratories Ltd

SUMMARY OF CANADIAN 2-BUTOXYETHANOL REGULATIONS

Applies to:

Persons manufacturing, importing or selling certain products containing 2-Butoxyethanol (CAS# 111-76-2) for indoor use. SYNONYMS: 2-BE, Ethylene glycol monobutyl ether, Glycol ether EB, Butyl Cellosolve, Dowanol EB

When do the regulations take effect?

Manufacturers/Importers – Regulations take effect December 14, 2007
Sellers - Regulations take effect December 14, 2008 (2 years from Dec. 14, 2006 to deplete existing stock)

Product categories and content limits

CONCENTRATION LIMITS
(Limits apply to RTU and end-use dilutions, not to concentrates.)

Product	Concentration Limit (%) (w/w)	Product	Concentration Limit (%) (w/w)
Automobile Cleaner[1]	10.0	Any Other Aerosol[2] Cleaner[3]	5.0
Rug or Carpet Cleaner	10.0	Any Other Non-aerosol Cleaner[3]	6.0
Floor or Baseboard Stripper	2.0	Aerosol[2] Paint or Coating	0.1
Paint Stripper or Thinner	0.5	Non-aerosol Paint or Coating	0.5
Laundry Stain Remover	22.0		

[1] Does not include automobile degreasers. [2] Does not include pump sprays.
[3] A product to be used to degrease and clean glass, floors and other surfaces, including bathroom and kitchen surfaces, but does not include automobile degreasers.

Record Keeping:

Manufacturers or Importers must keep records establishing the concentration of 2-BE in the product. Documentation must be maintained at a Canadian address for a period of at least 5 years.

Exemptions

- Products regulated under Food & Drug Act or Pest Control Products Act
- In a commercial activity as paints or coatings, including automobile refinish coatings[4]
- Temporary 2-year permits for exemption may be applied for. (Detailed application required)
- Outdoor use only
- Export only
- Manufacturing or processing activity
- Solvent in a laboratory for analysis
- For use in scientific research
- Laboratory analytical standard.

[4]An Environmental Performance Agreement (EPA) has been developed, as an alternative measure, to control indoor commercial paint and coatings containing concentrations of 2-BE above the limits established in the Regulations. The purpose of the Agreement is to provide assurance that all paint and coating companies will take specific actions to ensure that any commercial paint and coatings for indoor use containing 2-BE with a concentration exceeding the limits set out in the Regulations will only be sold to industrial and commercial applicators and not to the general public

Why?

2-Butoxyethanol was declared as CEPA toxic in 2003 because investigations showed that it could cause hemolytic anemia and was released in sufficient quantities to conclude that 2-BE constitutes a danger in Canada to human life or health.

Hemolytic anemia is a disorder in which the red blood cells are destroyed faster than the bone marrow can produce them.