



# TEA-PO Substance Identity Profile

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# UVCB definition by ECHA (Guidance)



UVCB 2,2'-2''-Nitriloethanol, propoxylated (EC 500-094-8, CAS 37208-53-0)

## Find a common understanding of the substance identity of the UVCB 2,2'-2''-Nitriloethanol, propoxylated (EC 500-094-8, CAS 37208-53-0)

- Chapter 3.2 UVCB (from ECHAs “substance naming identification nutshell guidance”:  
There are substances **for which the number of constituents is high**, or the composition is to a significant extent unknown, **or the variability of composition is large or unpredictable**. In these cases a straightforward identification is not possible because the substance cannot be sufficiently identified by the chemical composition and it will be considered as a substance of Unknown or Variable composition, Complex reaction products or Biological materials
- Chapter 4.3.1.1 Information on chemical composition (from ECHAs substance naming identification guidance):  
For a UVCB substance, all known constituents and **all constituents present at concentrations  $\geq 10\%$  should be specified** by at least an English-language IUPAC name and preferably a CAS number; the typical concentrations and concentrations ranges of the known constituents should be given as well.

# Purpose of this telephone conference



UVCB 2,2'-2''-Nitriloethanol, propoxylated (EC 500-094-8, CAS 37208-53-0)

## **Find a common understanding of the substance identity profile (SIP) of the UVCB TEA+PO (2,2'-2''-Nitriloethanol, propoxylated; EC 500-094-8; CAS 37208-53-0)**

### Covestro understanding

- No intention to change the generic substance approach of the NLP consortium to a “produced as” approach
- SIP should contain a constituent which sums up all the (unintended and intended) chemicals below 10 % that are build during the reaction (a UVCB has no impurities per definition) and that are present in a concentration below 10% each.

# SIP prepared by the lead (Hector/Huntsman)



UVCB 2,2'-2''-Nitriloethanol, propoxylated (EC 500-094-8, CAS 37208-53-0)

Constituents <sup>(1)</sup> Reference substance name	Mol. Weight	Concentration range %	
2,2',2''-nitriloethanol, propoxylated ( 1 mol PO)	207	0	15
2,2',2''-nitriloethanol, propoxylated ( 2 mol PO)	265	0	45
2,2',2''-nitriloethanol, propoxylated ( 3 mol PO)	324	5	50
2,2',2''-nitriloethanol, propoxylated ( 4 mol PO)	382	5	50
2,2',2''-nitriloethanol, propoxylated ( 5 mol PO)	440	5	50
2,2',2''-nitriloethanol, propoxylated ( 6 mol PO)	498	5	45
2,2',2''-nitriloethanol, propoxylated ( >= 7 mol PO)	>= 556	0	15

# SIP suggestion by Covestro (member)



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2,2,2''-nitriloethanol, propoxylated	(>=7mol PO)	>=556	0	15
<b>unknown constituents, each constituent below 10%</b>		<b>n.a.</b>	<b>0</b>	<b>15</b>



# Thank you for your attention

Contact

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