

Classified NLP Polyols

PNEC = Predicted No Effect Concentration

DNEL = Derived No Effect Level for classified NLP polyols

The risk characterization of the classified NLP polyols has been conducted based on the PNECs and DNELs in the following tables.

PNECs

	EDA, PO	EDA, EO+PO	oTDA, PO	o-TDA, EO+PO
Compartments	PNEC	PNEC	PNEC	PNEC
Freshwater (mg/l)	0.085	0.085	0.02	0.02
Marine water (mg/l)	0.0085	0.0085	0.002	0.002
Soil (mg/kg ww)	0.0183	0.0569	0.00904	0.00588
Sewage Treatment plant (mg/l)	70	1000	180	100

DNELs

DNELs for workers	EDA, PO	EDA, EO+PO	oTDA, PO	o-TDA, EO+PO
Route	DNEL	DNEL	DNEL	DNEL
Acute - systemic effects				
Inhalation (mg/m ³)	N.A.*	N.A.*	N.A.*	N.A.*
Dermal (mg/kg bw/day)	N.A.*	N.A.*	N.A.*	N.A.*
Acute - local effects				
Inhalation (mg/m ³)	N.A.*	N.A.*	N.A.*	N.A.*
Dermal (mg/cm ²)	N.A.*	N.A.*	N.A.*	N.A.*
Long-term - systemic effects				
Dermal (mg/kg bw/day)	13.9	13.9	7	7
Inhalation (mg/m ³)	98	98	3.9	3.9
Long-term - local effects				
Dermal (mg/cm ²)	N.A.**	N.A.**	N.A.**	N.A.**
Inhalation (mg/m ³)	N.A.**	N.A.**	N.A.**	N.A.**

DNELs for general population	EDA, PO	EDA, EO+PO	oTDA, PO	oTDA, EO+PO
Route	DNEL	DNEL	DNEL	DNEL
Acute - systemic effects				
Inhalation (mg/m ³)	N.A.*	N.A.*	N.A.*	N.A.*
Dermal (mg/kg bw/day)	N.A.*	N.A.*	N.A.*	N.A.*
Oral (mg/kg bw/day)	N.A.*	N.A.*	N.A.*	N.A.*
Acute - local effects				
Inhalation (mg/m ³)	N.A.*	N.A.*	N.A.*	N.A.*
Dermal (mg/cm ²)	N.A.*	N.A.*	N.A.*	N.A.*
Long-term - systemic effects				
Dermal (mg/kg bw/day)	8.3	8.3	4.2	4.2
Inhalation (mg/m ³)	29	29	1.2	1.2
Oral (mg/kg bw/day)	8.3	8.3	0.33	0.33
Long-term - local effects				
Dermal (mg/kg bw/day)	N.A.**	N.A.**	N.A.**	N.A.**
Inhalation (mg/m ³)	N.A.**	N.A.**	N.A.**	N.A.**
Oral (mg/kg bw/day)	N.A.**	N.A.**	N.A.**	N.A.**

* The substance is not classified for acute toxicity. Therefore, no DNEL has to be derived.

** Local exposure effects are not expected

Abbreviations:

EDA, PO: Ethylenediamine, propoxylated, CAS 25214-63-5, EC 500-035-6

EDA, EO+PO: Ethylenediamine, ethoxylated and propoxylated, CAS 26316-40-5, EC 500-047-1

oTDA, PO: o-Diaminotoluene, propoxylated, CAS 1229577-90-9, EC 918-139-9

oTDA, EO+PO: o-Diaminotoluene, ethoxylated and propoxylated, CAS 67800-94-6, EC 614-144-2