## 8. Exposure controls/personal protection

## Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Components	Туре	Value	
2-BUTOXYETHANOL (CAS 111-76-2)	PEL	240 mg/m3	
		50 ppm	
Butan-1-ol (CAS 71-36-3)	PEL	300 mg/m3	
		100 ppm	
CUMENE (CAS 98-82-8)	PEL	245 mg/m3	
		50 ppm	
ETHYLBENZENE (CAS 100-41-4)	PEL	435 mg/m3	
		100 ppm	
MORPHOLINE (CAS 110-91-8)	PEL	70 mg/m3	
		20 ppm	
PROPAN-2-OL (CAS 67-63-0)  XYLENE (CAS 1330-20-7)	PEL	980 mg/m3	
		400 ppm	
	PEL	435 mg/m3	
		100 ppm	
US. OSHA Table Z-2 Permissible E			
Components	Туре	Value	
TOLUENE (CAS 108-88-3)	Ceiling	300 ppm	
,			
,	TWA	200 ppm	
US. ACGIH Threshold Limit Values	s (TLV)		
US. ACGIH Threshold Limit Values	s (TLV) Type	Value	
US. ACGIH Threshold Limit Values Components 2,2',2"-Nitrilotriethanol (CAS 102-71-6)	Type TWA	Value 5 mg/m3	
US. ACGIH Threshold Limit Values Components 2,2',2"-Nitrilotriethanol (CAS 102-71-6) 2-BUTOXYETHANOL (CAS 111-76-2)	Type TWA TWA	Value	
US. ACGIH Threshold Limit Values Components  2,2',2"-Nitrilotriethanol (CAS 102-71-6)  2-BUTOXYETHANOL (CAS 111-76-2)  Butan-1-ol (CAS 71-36-3)	Type TWA TWA TWA	Value 5 mg/m3 20 ppm 20 ppm	
US. ACGIH Threshold Limit Values Components  2,2',2"-Nitrilotriethanol (CAS 102-71-6)  2-BUTOXYETHANOL (CAS 111-76-2)  Butan-1-ol (CAS 71-36-3)  CUMENE (CAS 98-82-8)	Type TWA TWA TWA TWA TWA TWA	Value 5 mg/m3 20 ppm 20 ppm 5 ppm	
US. ACGIH Threshold Limit Values Components  2,2',2"-Nitrilotriethanol (CAS 102-71-6)  2-BUTOXYETHANOL (CAS 111-76-2) Butan-1-ol (CAS 71-36-3)  CUMENE (CAS 98-82-8)  ETHYLBENZENE (CAS 100-41-4)	Type TWA TWA TWA TWA TWA TWA TWA TWA TWA	Value 5 mg/m3 20 ppm 20 ppm 5 ppm 20 ppm	
US. ACGIH Threshold Limit Values Components 2,2',2"-Nitrilotriethanol (CAS 102-71-6) 2-BUTOXYETHANOL (CAS 111-76-2) Butan-1-ol (CAS 71-36-3) CUMENE (CAS 98-82-8) ETHYLBENZENE (CAS 100-41-4) MORPHOLINE (CAS 110-91-8)	Type TWA TWA TWA TWA TWA TWA TWA TWA TWA	Value 5 mg/m3 20 ppm 20 ppm 5 ppm 20 ppm 20 ppm	
US. ACGIH Threshold Limit Values Components 2,2',2"-Nitrilotriethanol (CAS 102-71-6) 2-BUTOXYETHANOL (CAS 111-76-2) Butan-1-ol (CAS 71-36-3) CUMENE (CAS 98-82-8) ETHYLBENZENE (CAS 100-41-4) MORPHOLINE (CAS 110-91-8) PROPAN-2-OL (CAS	Type TWA TWA TWA TWA TWA TWA TWA TWA TWA STEL	Value 5 mg/m3 20 ppm 20 ppm 5 ppm 20 ppm 20 ppm 400 ppm	
US. ACGIH Threshold Limit Values Components 2,2',2"-Nitrilotriethanol (CAS 102-71-6) 2-BUTOXYETHANOL (CAS 111-76-2) Butan-1-ol (CAS 71-36-3) CUMENE (CAS 98-82-8) ETHYLBENZENE (CAS 100-41-4) MORPHOLINE (CAS 110-91-8) PROPAN-2-OL (CAS 67-63-0)	Type TWA	Value 5 mg/m3 20 ppm 20 ppm 5 ppm 20 ppm 20 ppm 400 ppm	
US. ACGIH Threshold Limit Values Components  2,2',2"-Nitrilotriethanol (CAS 102-71-6)  2-BUTOXYETHANOL (CAS 111-76-2)  Butan-1-ol (CAS 71-36-3)  CUMENE (CAS 98-82-8)  ETHYLBENZENE (CAS 100-41-4)  MORPHOLINE (CAS 110-91-8)  PROPAN-2-OL (CAS 37-63-0)  TOLUENE (CAS 108-88-3)	Type TWA	Value 5 mg/m3 20 ppm 20 ppm 5 ppm 20 ppm 20 ppm 400 ppm 200 ppm 200 ppm 200 ppm	
US. ACGIH Threshold Limit Values Components  2,2',2"-Nitrilotriethanol (CAS 102-71-6) 2-BUTOXYETHANOL (CAS 111-76-2) Butan-1-ol (CAS 71-36-3) CUMENE (CAS 98-82-8) ETHYLBENZENE (CAS 100-41-4) MORPHOLINE (CAS 110-91-8) PROPAN-2-OL (CAS 67-63-0)  TOLUENE (CAS 108-88-3)	Type TWA	Value 5 mg/m3 20 ppm 20 ppm 5 ppm 20 ppm 20 ppm 400 ppm	
US. ACGIH Threshold Limit Values Components  2,2',2"-Nitrilotriethanol (CAS 102-71-6)  2-BUTOXYETHANOL (CAS 111-76-2) Butan-1-ol (CAS 71-36-3)  CUMENE (CAS 98-82-8)  ETHYLBENZENE (CAS 100-41-4)  MORPHOLINE (CAS 110-91-8)  PROPAN-2-OL (CAS 67-63-0)  TOLUENE (CAS 108-88-3)  XYLENE (CAS 1330-20-7)  NIOSH. Immediately Dangerous to	Type TWA	Value 5 mg/m3 20 ppm 20 ppm 5 ppm 20 ppm 20 ppm 20 ppm 20 ppm 400 ppm 200 ppm 200 ppm 200 ppm 200 ppm 200 ppm	
US. ACGIH Threshold Limit Values Components  2,2',2"-Nitrilotriethanol (CAS 102-71-6)  2-BUTOXYETHANOL (CAS 111-76-2) Butan-1-ol (CAS 71-36-3)  CUMENE (CAS 98-82-8)  ETHYLBENZENE (CAS 100-41-4)  MORPHOLINE (CAS 110-91-8)  PROPAN-2-OL (CAS 67-63-0)  TOLUENE (CAS 108-88-3)  XYLENE (CAS 1330-20-7)  NIOSH. Immediately Dangerous to Components  2-BUTOXYETHANOL (CAS	Type TWA	Value 5 mg/m3 20 ppm 20 ppm 5 ppm 20 ppm 20 ppm 400 ppm 200 ppm 200 ppm 20 ppm 20 ppm 20 ppm 20 ppm 20 ppm	
US. ACGIH Threshold Limit Values Components  2,2',2"-Nitrilotriethanol (CAS 102-71-6)  2-BUTOXYETHANOL (CAS 111-76-2) Butan-1-ol (CAS 71-36-3)  CUMENE (CAS 98-82-8)  ETHYLBENZENE (CAS 100-41-4)  MORPHOLINE (CAS 110-91-8)  PROPAN-2-OL (CAS 67-63-0)  TOLUENE (CAS 1330-20-7)  NIOSH. Immediately Dangerous to Components  2-BUTOXYETHANOL (CAS	Type TWA	Value  5 mg/m3  20 ppm  20 ppm 5 ppm 20 ppm 20 ppm 400 ppm 200 ppm 200 ppm 200 ppm 20 ppm 20 ppm 20 ppm 20 ppm	
US. ACGIH Threshold Limit Values Components  2,2',2"-Nitrilotriethanol (CAS 102-71-6)  2-BUTOXYETHANOL (CAS 111-76-2)  Butan-1-ol (CAS 71-36-3)  CUMENE (CAS 98-82-8)  ETHYLBENZENE (CAS 100-41-4)  MORPHOLINE (CAS 110-91-8)  PROPAN-2-OL (CAS 67-63-0)  TOLUENE (CAS 108-88-3)  XYLENE (CAS 1330-20-7)  NIOSH. Immediately Dangerous to Components  2-BUTOXYETHANOL (CAS 111-76-2)  Butan-1-ol (CAS 71-36-3)	Type TWA	Value 5 mg/m3 20 ppm 20 ppm 5 ppm 20 ppm 20 ppm 400 ppm 20 ppm 20 ppm 20 ppm 20 ppm 20 ppm 21 ppm 220 ppm 220 ppm 23 ppm 24 ppm 25 ppm 26 ppm 27 ppm 28 ppm 29 ppm 29 ppm 20 ppm 20 ppm 20 ppm 20 ppm	

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