

**NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended**

Components	Type	Value
		2100 ppm
SODIUM HYDROXIDE (CAS 1310-73-2)	IDLH	10 mg/m3
SULPHURIC ACID (CAS 7664-93-9)	IDLH	15 mg/m3
<b>US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)</b>		
Components	Type	Value
2,2'-IMINODIETHANOL (CAS 111-42-2)	TWA	15 mg/m3
		3 ppm
2-AMINOETHANOL (CAS 141-43-5)	STEL	15 mg/m3
		6 ppm
	TWA	8 mg/m3
		3 ppm
ISOBUTANE (CAS 75-28-5)	TWA	1900 mg/m3
		800 ppm
MORPHOLINE (CAS 110-91-8)	STEL	105 mg/m3
		30 ppm
	TWA	70 mg/m3
		20 ppm
PROPAN-2-OL (CAS 67-63-0)	STEL	1225 mg/m3
		500 ppm
	TWA	980 mg/m3
		400 ppm
PROPANE (CAS 74-98-6)	TWA	1800 mg/m3
		1000 ppm
SODIUM HYDROXIDE (CAS 1310-73-2)	Ceiling	2 mg/m3
SULPHURIC ACID (CAS 7664-93-9)	TWA	1 mg/m3

**Biological limit values**
**ACGIH Biological Exposure Indices (BEI)**

Components	Value	Determinant	Specimen	Sampling Time
PROPAN-2-OL (CAS 67-63-0)	40 mg/l	Acetone	Urine	*

\* - For sampling details, please see the source document.

**Exposure guidelines**
**US - California OELs: Skin designation**

2,2'-IMINODIETHANOL (CAS 111-42-2)

Can be absorbed through the skin.

MORPHOLINE (CAS 110-91-8)

Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

MORPHOLINE (CAS 110-91-8)

Skin designation applies.

**US - Tennessee OELs: Skin designation**

MORPHOLINE (CAS 110-91-8)

Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

2,2'-IMINODIETHANOL (CAS 111-42-2)

Danger of cutaneous absorption

MORPHOLINE (CAS 110-91-8)

Danger of cutaneous absorption

**US NIOSH Pocket Guide to Chemical Hazards: Skin designation**

MORPHOLINE (CAS 110-91-8)

Can be absorbed through the skin.