

Product: CHEMLOK 144, Effective Date: 04/21/2015

INCOMPATIBILITY: Strong oxidizers, acids, bases, water.**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****COMPONENT EXPOSURE LIMIT**

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH TLV-STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>	<u>Skin</u>
Toluene	20 ppm	N.E.	200 ppm	300 ppm	N.A.
N-Butanol	20 ppm	N.E.	300 mg/m ³ 100 ppm	N.E.	S
2-Butoxyethanol	20 ppm	N.E.	240 mg/m ³ 50 ppm	N.E.	S
Ethyl alcohol	N.E.	1,000 ppm	1,900 mg/m ³ 1,000 ppm	N.E.	N.A.

N.A. - Not Applicable, N.E. - Not Established, S - Skin Designation

Engineering controls: Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits. Caution: Solvent vapors are heavier than air and collect in lower levels of the work area. Sufficient ventilation (using explosion-proof equipment) should be provided to prevent flammable vapor/air mixtures from accumulating.

PERSONAL PROTECTION MEASURES/EQUIPMENT:

RESPIRATORY PROTECTION: Use a NIOSH approved chemical/mechanical filter respirator designed to remove a combination of particulates and organic vapor if occupational limits are exceeded. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air-supplied respirator. Observe OSHA regulations (29CFR 1910.134) for respirator use.

SKIN PROTECTION: Use neoprene, nitrile, or rubber gloves to prevent skin contact.

EYE PROTECTION: Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

OTHER PROTECTIVE EQUIPMENT: Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse.

HYGIENIC PRACTICES: Wash hands before eating, smoking, or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical values, not to be used for specification purposes.

ODOR:	Solvent	VAPOR PRESSURE:	N.D.
APPEARANCE:	Yellow	VAPOR DENSITY:	Heavier than Air
PHYSICAL STATE:	Liquid	LOWER EXPLOSIVE LIMIT:	1.1 %(V)
FLASH POINT:	35 °F, 1 °C 1 °C	UPPER EXPLOSIVE LIMIT:	19 %(V)
BOILING RANGE:	Setaflash Closed Cup 78 - 171 °C	EVAPORATION RATE:	Slower than n-butyl-acetate
AUTOIGNITION TEMPERATURE:	N.D.	DENSITY:	0.9 g/cm ³ - 7.47 lb/gal
DECOMPOSITION TEMPERATURE:	N.D.	VISCOSITY, DYNAMIC:	≥0.9 mPa.s @ 25 °C
ODOR THRESHOLD:	N.D.	VISCOSITY, KINEMATIC:	≥1 mm ² /s @ 25 °C
SOLUBILITY IN H₂O:	Insoluble	VOLATILE BY WEIGHT:	87.06 %
pH:	N.A.	VOLATILE BY VOLUME:	90.34 %
FREEZE POINT:	N.D.	VOC CALCULATED:	6.5 lb/gal 6.5 lb/gal, 779 g/l
COEFFICIENT OF WATER/OIL DISTRIBUTION:	N.D.		