

Toluene

tall-you-eeen

CAS #: 108-88-33

Physical Properties

Flammable colorless liquid with a sweet pungent odor like spray paint. Boils at 111° C.

Chemical Uses

Used as a solvent for medicines, dyes, explosives, aviation/other gasoline, in paints, spray cans, and some household products such as nail polish and perfume.

Points of attack

Nervous system, liver, kidney, skin.

Route(s) of Entry

Toxic by inhalation, ingestion, and skin contact

For more information :

Justin Eibenholz,
Environmental Coordinator

SECIA
2010 E Hennepin
Minneapolis, MN 55413

612-676-1731
ec@secomo.org

www.secomo.org
www.scorecard.org
www.atsdr.cdc.gov/child

Health Effects

It can irritate eyes, nose, and throat, higher levels may cause dizziness. Repeated exposure may cause removal of natural lipids from the skin resulting in dry, fissured dermatitis. Acute exposure to toluene can result in central nervous system damage/depression. Symptoms include fatigue, dizziness, headaches, weakness, drowsiness, collapse and possibly coma. It's a developmental, reproductive, and environmental toxicant.

Emitting Companies

IVC North (Ti-Kromatic)
Waldorf Corporation (Roc-Tenn)
Diamond Vogel-North
Davis-Frost
Illbruck
Mentor Minnesota Operations
Applied Coating Technology
Pechiney Plastics*
Permatite Manufacturing*
Ritrama Duramark*

**companies located in Southeast Minneapolis*

Permissible Exposure

Federal standard is 200 **ppm** as a 8 hour **TWA** with an acceptable ceiling concentration of 300 **ppm**, 500 **ppm** is acceptable for 10 minutes. **NIOSH** has a recommended standard of 100 **ppm** with a ceiling of 200 **ppm** for 10 minutes. **ACGIH** recommends a standard of 100 **ppm** and Short term exposure level (**STEL**) of 150 **ppm**. **IDLH** is 2,000 **ppm**.

Acronyms defined

ACGIH- American Conference Governmental Industrial Hygenists

CAS #- chemical abstract service numer

IDLH- immediately dangerous to life and health

NIOSH- National Institute of Safety & Health

PPERRIA- Prospect Park East River Road Improvement Association

ppm- parts per million

SECIA- Southeast Como Improvement Association

STEL- short-term exposure length

TWA- time weighted average

Chemical F A C T Sheet