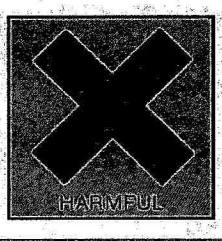
Safety (MSDS) data for Triton X-100



General

Synonyms: polyethylene glycol P-1,1,3,3-tetramethylbutylphenyl ether, octyl phenol ethoxylate, 4-octylphenol polyethoxylate, Mono 30
Molecular formula: $C_{14}H_{22}O(C_2H_4O)_n$ where the average number of ethylene oxide units per molecule is around 9 or 10
CAS No: 9002-93-1
EINECS No:

Physical data

Appearance: viscous colourless liquid
Melting point: 6 C
Boiling point: > 200 C
Vapour density: >1
Vapour pressure: <1 mm Hg at 20 C
Density (g cm^{-3}): 1.07
Flash point: 251 C
Explosion limits:
Autoignition temperature:

Stability

Stable. Incompatible with strong oxidizing agents. Viscosity increases as temperature falls and handling becomes difficult at temperatures below 20 C

Toxicology

Harmful if swallowed. Causes severe eye irritation. May be harmful if inhaled or in contact with skin. Toxicology not fully investigated. The product may contain traces of ethylene oxide or dioxane, which are probable human carcinogens.

Toxicity data

(The meaning of any abbreviations which appear in this section is given here.)

ORL-RAT LD50 1800 mg kg^{-1}

IVN-MUS LD50 375 mg kg^{-1}

Risk phrases

(The meaning of any risk phrases which appear in this section is given here.)

R22 R41.

Transport information

Non-hazardous for air, sea and road freight.

Personal protection

Safety glasses.

Safety phrases

(The meaning of any safety phrases which appear in this section is given here.)

S23 S26 S36.

[Return to Physical & Theoretical Chemistry Lab. Safety home page.]

This information was last updated on September 3, 2003. We have tried to make it as accurate and useful as possible, but can take no responsibility for its use, misuse, or accuracy. We have not verified this information, and cannot guarantee that it is up-to-date.