

DOW CHEMICAL U.S.A.

NS SAFETY SOLVENT II

REPORT ID: MIDLAND 000168 MI 48674 EFFECTIVE:033098
EMERGENCY PHONE 517-636-4400

NEU-TRI* SOLVENT (TRICHLOROETHYLENE)
2. COMPOSITION/INFORMATION ON INGREDIENTS

Trichloroethylene CAS# 000079-01-6 99.4%
1, 2-Butylene oxide CAS# 000106-88-7 0.5%
Stabilizers 0.1%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

* Colorless liquid. Irritating odor. Toxic fumes are released in *
* fire situations. Harmful if inhaled. Can cause death if too much *
* is breathed. Clear all personnel from spill area. Wear full *
* protected equipment. Contain liquid to prevent contamination of *
* soil surface water or ground water. *

POTENTIAL HEALTH EFFECTS (See Section 11 for toxicological data.)

EYE: May cause pain and slight eye irritation. Corneal injury is unlikely. Vapors may irritate eyes.

SKIN: Prolonged or repeated exposure may cause skin irritation. May cause drying or flaking of skin. May cause more severe response if confined to skin. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. Trichloroethylene may be absorbed through skin and may cause numbness in the fingers immersed in the liquid.

INGESTION: Single dose oral toxicity is considered to be low. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; however, swallowing amounts larger than that may cause serious injury, even death. If aspirated (liquid enters the lung), may be rapidly absorbed through the lungs and result in injury to other body systems.

INHALATION: In confined or poorly ventilated areas, vapors can readily accumulate and can cause unconsciousness and death. Excessive exposure may cause irritation to upper respiratory tract. Excessive exposure may increase sensitivity to epinephrine and increase myocardial irritability (irregular heartbeats). May cause alcohol intolerance often manifested by temporary reddening of the skin called 'degreaser's flush'. Minimal anesthetic or irritant effects may be seen around 200-400 ppm trichloroethylene. Levels in the range of 1000-2000 ppm may rapidly cause dizziness and drunkenness. Progressively higher levels or longer exposure may cause unconsciousness and death and may be immediately hazardous to life.

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