

Materials Safety Data

***** IDENTIFICATION *****

NAME: T9046
CHEM.FAMILY: Substance.

SYNONYMS: THINNER.

FORMULA: See "Hazardous Components".

MANUFACTURER:
E.I. DuPont de Nemours & Co.
Electronics Department
Wilmington, De 19898

INFORMATION & EMERGENCY TELEPHONE NOS:
INFORMATION: Product: (800)441-7515
EMERGENCIES: Medical: (800)441-3637
in Canada: (613)348-3616
Transportation (CHEMTREC): (800)424-9300

***** PHYSICAL DATA *****

FORM: Liquid.

ODOR: Mild Camphor.

APPEARANCE: Colorless.

SOLUBILITY IN WATER: High to Miscible.

***** HAZARDOUS COMPONENTS *****

Ingredient(s):	CAS#	V.P. mm Hg @ 20C	Weight %
4-Butyrolactone.	96-48-0	1.	> 60%

***** HAZARDOUS REACTIVITY *****

INSTABILITY:
The product is normally stable.

INCOMPATIBILITY:
Avoid contact with:
Oxidizing agents; Bases.

DECOMPOSITION:

Decomposition products at high temperature may include:
Carbon monoxide, carbon dioxide, water.

T9046/C01
11/03/89



Toxic effects described in animals include: No skin sensitization; Skin irritation; Eye irritation; Respiratory effects; Anaesthetic effects. Additional animal tests have shown: No carcinogenic activity.

CARCINOGENICITY LISTING:

No ingredients of this product are designated by IARC, NTP, OSHA, ACGIH or Dupont as potential carcinogens.

EXPOSURE LIMITS:

Workplace exposures should be kept below the following limits:

None Established.

Notes on exposure limits:

OSHA Permissible Exposure Limits (PELs) are included in 29 CFR 1910.1000, Subpart Z, or specific substance standards;
ACGIH Threshold Limit Values (TLVs) are published by the American Conference of Governmental Industrial Hygienists, 6500 Glenway Ave., Cincinnati, OH 45211;
AIHA Workplace Environmental Exposure Levels (WEELs) are published by the American Industrial Hygiene Assoc., 475 Wolf Ledges Pkwy., Akron, OH 44311;
C (ceiling) indicates a limit not to go above for any time period;
S (skin) indicates skin absorption may contribute significantly to the internal toxicity of the ingredient.

***** FIRST AID INSTRUCTIONS *****

Skin Contact: Flush skin with water after excessive skin contact.
Eye Contact: For eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
Inhalation: If large amounts inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, and call a physician.
Ingestion: If swallowed, do not induce vomiting. Immediately give two glasses of water or activated charcoal slurry. Never give anything by mouth to an unconscious person. Call a physician.
INSTRUCTIONS TO PHYSICIANS: To prepare activated charcoal slurry, suspend 50 g activated charcoal in 400 ml water in plastic bottle and shake well. Administer 5 ml/kg, or 350 ml for an average adult.

***** PROTECTION INFORMATION *****

Adequate local ventilation should be used to keep exposures below applicable limits;
Other engineering controls such as totally enclosed handling systems are also preferred;
Respiratory protection will be needed if exposures can not be kept below applicable limits by other means.

Consult applicable Federal, State, and local regulations for allowable disposal methods.

***** PRODUCT INFORMATION *****

Contaminated Items:

Empty product containers, contaminated clothing and cleaning materials, etc. should be considered hazardous until decontaminated or properly disposed of. (See Waste Disposal Section.).

Storage:

Store product below 90F to ensure product viscosity stability.

***** ADDITIONAL INFORMATION *****

No ingredients of this product are subject to the reporting requirements of section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372.

This product is a physical mixture. The health effects information about this product is based on the individual ingredients; The data in this Material Safety Data Sheet relates only to the specific product designated herein and does not relate to its use in combination with any other material or in any process.

Date of latest MSDS revision: 11/03/89

Person Responsible for MSDS: Environmental Technologist
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