



Gillette Medical Evaluation Laboratories

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MATERIAL SAFETY DATA SHEET

NAME: LIQUID PAPER PEN AND INK CORRECTION FLUID
CAS NO: NA

Effective Date: 8/22/90 Rev: 4

IDENTIFICATION: Composition, Formula, Molecular Weight, Synonyms. PHYSICAL DATA: Boiling Point, Melting Point, Freezing Point, Specific Gravity, Vapor Density, Vapor Pressure, Evaporation, Saturation in Air, Autoignition Temperature, % Volatiles, Solubility in Water, pH. Appearance/Odor, Flash Point, Flammable Limits. REACTIVITY: Stability, Conditions to Avoid, Polymerization, Incompatible Materials, Hazardous Decomposition Products. Footnotes: Physical data, except for % Volatiles, refers to 1,1,1-Trichloroethane.

**D. - HEALTH HAZARD DATA**

Occupational Exposure Limits (PEL'S, TLV'S, etc.)

8 Hour TWA's: 1,1,1-Trichloroethane - 350 ppm (OSHA/ACGIH)  
Titanium Dioxide - 10 mg/cu m (OSHA/ACGIH)  
These levels are not anticipated under foreseeable use conditions.

Warning Signals

NA

Routes/Effects of Exposure

1. Inhalation No adverse effects anticipated from normal use. If vapors are deliberately concentrated and inhaled (abuse), the following symptoms may occur: respiratory irritation, dizziness, drowsiness, headache, nausea, unconsciousness, cardiac sensitization (abnormal heartbeat), coma and death. (Mustard oil is added to the product as an abuse deterrent.)

2. Ingestion

No adverse effects anticipated from normal use. Depending on amount ingested, most of the symptoms described above may occur. Estimated LD50 in rats is greater than 5 ml/kg or between 1 pint and 1 quart in humans (ref. Gosselin, Smith and Hodge, Clinical Toxicology of Commercial Products, 5th ed., 1984).

3. Skin

a. Contact

No adverse effects anticipated from normal use. Irritation may occur if contact is prolonged/repeated.

b. Absorption

No adverse effects anticipated from normal use. Solvent can be absorbed through skin (prolonged contact), but not likely in acutely toxic amounts. Estimated LD50 in rabbits is greater than 5 ml/kg.

4. Eye Contact

Irritation

5. Other

NA

**E. - ENVIRONMENTAL IMPACT**

1. Applicable Regulations

2. DOT Hazard Class -  
3. DOT Shipping Name -

NA

Environmental Effects

NA

**F EXPOSURE CONTROL METHODS**

**Engineering Controls**

None under normal use conditions.

**Eye Protection**

None under normal use conditions.

**Skin Protection**

None under normal use conditions.

**Respiratory Protection**

None under normal use conditions.

**Other**

Product is non-hazardous when used as directed in an office/room with normal air circulation.

**G WORK PRACTICES**

**Handling and Storage**

No unusual handling or storage when used as directed. When stored in large quantities (as in warehouse), it should be in a well-ventilated, cool area.

**Normal Clean Up**

Pick up spills with towels, tissues, etc.

**Waste Disposal Methods**

Dispose in accordance with applicable federal, state and local laws.

## H EMERGENCY PROCEDURES

Steps to be taken if material is released to the environment or spilled in the work area

Not applicable

### Fire and Explosion Hazard

Concentrated vapor of 1,1,1-Trichloroethane can burn, producing hazardous decomposition products (Sec. C).

### Extinguishing Media

As for adjacent fire. Dry chemical, foam, carbon dioxide, water fog.

### Firefighting Procedures

In fires involving large quantities of product, use self-contained breathing apparatus.

## I - FIRST AID AND MEDICAL EMERGENCY PROCEDURES

### Eyes

Flush with plenty of water. If irritation persists, obtain medical attention.

### Skin

Wash with soap and water.

### Inhalation

No adverse effects anticipated from normal use. In an abuse situation, remove from source of exposure. Treat symptomatically. Oxygen may be administered. Seek medical attention immediately and refer to "Notes to Physician" below.

### Ingestion

Consult physician.

### Notes to Physician

Do not use sympathomimetic agents (e.g. epinephrine) in halogenated hydrocarbon poisoning because of possible induction of ventricular fibrillation.

The information contained in the Material Safety Data Sheet is based on data considered to be accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof.