



Gillette Medical Evaluation Laboratories

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Gaithersburg, Maryland 20879
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MATERIAL SAFETY DATA SHEET

NAME: THINNER FOR LIQUID PAPER CORRECTION FLUID

CAS NO: NA

Effective Date: 8/22/90 Rev: 4

A. - IDENTIFICATION

Composition* 1,1,1-Trichloroethane (71-55-6) Mustard Oil (57-06-7)	%	Formula: Mixture
		Molecular Weight: NA
		Synonyms Thinner for Liquid Paper Liquid Paper Thinner

B. - PHYSICAL DATA

Boiling Point 165 °F 74 °C	Melting Point NA °F NA °C	Freezing Point NA °F NA °C
Specific Gravity (H ₂ O=1) 1.32 @ 25/25°C	Vapor Density (air=1) ~ 4.5	Vapor Pressure @ 68 °F 100 mmHg
Evaporation (Ether =1) Slower	Saturation in Air (by volume @ °F) NA %	Autoignition Temperature °F °C NA
% Volatiles (by volume) 100	Solubility in Water < 1%	pH NA

Appearance/Odor Clear fluid with a pungent solvent odor

Flash Point and Test Method(s) None (Closed Cup) Product is non-flammable.

Flammable Limits in Air (See Section H)
(% by volume) Lower NA % Upper NA %

C. - REACTIVITY

Stability	Conditions to Avoid	Polymerization	Conditions to Avoid
stable	Contact with open flame or other high temperature sources.	may occur	NA
unstable		will not occur	
Incompatible Materials For solvent: strong alkalis/oxidizers; aluminum, zinc and other reactive metals (e.g. potassium, sodium, magnesium).		Hazardous Decomposition Products Thermal degradation, e.g. open flame, can produce small amounts of phosgene, hydrogen chloride and chlorine.	

*IF MULTIPLE INGREDIENTS INCLUDE CAS NUMBERS FOR EACH NA=NOT AVAILABLE

Footnotes:

Physical data refers to 1,1,1-Trichloroethane.

D. - HEALTH HAZARD DATA

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

8 hour TWA for 1,1,1-Trichloroethane is 350 ppm (OSHA/ACGIH) - This level is 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 amounts 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