



Citius, USA Inc.

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OPTI® CORRECTION FLUID

PRODUCT SAFETY FACT SHEET

This fact sheet has been designed to accompany and explain in layperson's language, safety related information contained in the Material Safety Data Sheet (MSDS) on OPTI® Correction Fluid.

OPTI®, like all correction fluids, is a finely divided solid colored pigment suspended in a solvent. Applied as a liquid in small quantities, once the solvent evaporates, the opaque pigment accomplishes the correction. The choice of solvent is critical to obtain the necessary safety and product performance.

OPTI® Correction Fluid uses a highly-refined light petroleum distillate which is responsible for the well recognized superior performance of OPTI® in terms of coverage of all types of printing and writing, professional appearance and short drying time. Use of this solvent also avoids the problem of toxicity, both short term intoxication from "sniffing" and the longer term cancer hazard associated with some solvents used in correction fluids (for example, trichloroethylene, or TCE). It also is not known to deplete the ozone in the earth's atmosphere as some solvents (for example, trichloroethane, or TCA). These more toxic and ozone-depleting solvents are non-flammable.

Petroleum distillate, depending on its specific grade, is either flammable or highly combustible, which means its vapors will burn if allowed to accumulate and if ignited by a flame or spark. This property in a correction fluid packaged in very small containers and used in extremely small quantities, does not pose a significant hazard given the use of the product in accordance with reasonable precautions on the label.

"Keep away from heat, sparks and flame. Keep out of reach of children."

Similar precautions apply to any correction fluid which uses petroleum distillates as a solvent.

The formulation of OPTI® Correction Fluid is based on a careful balance of safety and product performance requirements. As a result, it is the finest correction fluid available.

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MATERIAL SAFETY DATA SHEET

Date: May 29, 1992

SECTION 1. COMPANY AND MATERIAL IDENTIFICATION

Supplier of Data: Citius USA, Inc.
120 Interstate Parkway, Suite 106
Atlanta, GA 30339
(404) 953-3663

In emergency, call: (404) 953-3663

MATERIAL IDENTIFICATION

Trade Names: OPTI[®] Fluid and OPTI[®]pen

Chemical Family: Not Applicable - Mixture

<u>Component</u>	<u>CAS #</u>	<u>Percent Composition</u>
Petroleum distillate, hydrotreated light naphtha	64742-49-0	50-55
Titanium dioxide	13463-67-7	35-40
Polyacrylate binder	Proprietary	5

SECTION 2. HEALTH HAZARDS

WARNING STATEMENT

CAUTION: Flammable liquid. Direct contact may cause eye and skin irritation. Excessive inhalation of vapors may cause irritation of nose and throat. Keep product from heat, sparks and open flame. Avoid inhalation, ingestion, skin contact and eye contact.

Routes of Absorption

Inhalation, Skin and Eye Contact, Accidental Ingestion.

Eye

Direct contact may cause eye irritation.

Skin

Direct contact may cause eye irritation. Prolonged or repeated contact may defat the skin leading to dermatitis.

Systemic

Acute: Excessive inhalation may cause irritation of nose and throat. Do not ingest. Ingestion of significant quantities may be hazardous because of potential inspiration of petroleum distillate into lung.

Chronic: Based on the toxicity of the ingredients and foreseeable use conditions, this product should not present a significant hazard from repeated use.

Reproductive and Developmental Toxicity

No data available.

Carcinogenicity and Mutagenicity

None of the components of the mixture are listed by NTP, OSHA or IARC as carcinogens.

Medical Conditions Aggravated by Exposure

None known or reported.

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SECTION 2. HEALTH HAZARDS (Cont'd)

Occupational Exposure Limit

The OSHA Permissible Exposure Limit (PEL) and ACGIH Threshold Limit Value (TLV) for a petroleum distillate similar to that used in this mixture is 400 ppm in air as an 8-hour time-weighted average (see rubber solvent or n-heptane). The PEL and TLV for titanium dioxide is 10 mg/M³ (total dust) of air.

SECTION 3. FIRST AID MEASURES

Eye Contact

Immediately flush eyes thoroughly with water for at least 15 minutes and contact medical personnel and supervisor.

Skin Contact

Immediately wash thoroughly with soap and water for 15 minutes. If an irritation develops, contact medical personnel and supervisor.

Inhalation

Immediately move to fresh air and contact medical personnel and supervisor.

Ingestion

Give moderate amount (8-12 oz.) of water. Do not induce vomiting. Immediately contact medical personnel and supervisor.

SECTION 4. FIRE PROTECTION

Flash Point

-11°F TCC. Flammability Class 1B - Flammable.

Explosive Limits

Upper Explosive Limit 7.0
Lower Explosive Limit 0.6

Extinguishing Media

Water, multipurpose dry chemical or halon-fire extinguisher.

Special Fire Fighting Procedures

Wear full protective clothing and NIOSH/MSHA-approved, positive pressure, self-contained breathing apparatus. Thoroughly wash all equipment after use.

SECTION 5. SPILL AND RELEASE MEASURES

If material is released or spilled cordon off spill area. For small spills, soak up material with paper towels and wash spill area thoroughly with soap and water. For larger spills, add absorbent. Collect into suitable containers appropriate for either recovery or disposal to avoid exposure and to comply with applicable waste disposal regulations.

SECTION 6. HANDLING AND STORAGE

Avoid contact with skin, eyes or clothing. Keep product away from ignition sources, heat, sparks and open flames. Store in a cool, well-ventilated area.

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SECTION 7. EXPOSURE CONTROL/PERSONAL PROTECTION

Eye Protection

Under normal use conditions, eye protection should not be required. When handling in bulk quantities, wear safety glasses with side shields, chemical splash goggles, and/or full face shield with safety glasses and side shield to prevent contact with eyes. The choice of protection should be based on the job activity and potential for exposure to the eyes and face.

Respiratory Protection

Under normal use conditions, respiratory protection should not be required.

Skin Protection

Under normal use conditions, gloves should not be required. When handling in bulk quantities, rubber (latex) gloves are recommended to minimize potential for skin contact. The choice of skin protection should be based on the job activity and potential for exposure to the skin.

Engineering Controls

Under normal use conditions, engineering controls should not be required.

SECTION 8. PHYSICAL/CHEMICAL PROPERTIES

Boiling Point:	181°F
Melting Point:	Not applicable/liquid.
Molecular Weight:	Not applicable/mixture.
Solubility:	Less than 0.1% in water.
Vapor Pressure:	No data.
Specific Gravity:	Not determined.
pH (of 1% aqueous solution):	Not determined.
Percent Volatile:	Not determined.
Vapor Density:	5.9
Evaporation:	5.5 (butyl acetate = 1)
Appearance, Color, Odor:	White or colored liquid with slight petroleum odor.

SECTION 9. STABILITY AND REACTIVITY

Stability

Stable.

Incompatibility

Avoid contact with strong oxidizing agents, e.g. nitric acid, and corrosives.

Hazardous Decomposition Products

Thermal decomposition may produce carbon monoxide and carbon dioxide.

Hazardous Polymerization

Will not occur.

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SECTION 10. ENVIRONMENTAL INFORMATION

Persistence and Degradability

No data.

Aquatic Toxicity

No data.

SECTION 11. WASTE DISPOSAL METHODS

Dispose of wastes containing this product in an environmentally safe manner. For small quantities, e.g. paper towels, it may be appropriate to dispose of in normal trash. For larger spills, dispose of according to prescribed federal, state, and local guidelines, e.g., appropriately permitted chemical waste incinerator. Rinsewaters resulting from large spill cleanups should be discharged in an environmentally safe manner, e.g., appropriately permitted municipal or on-site wastewater treatment facilities.

SECTION 12. LABELING

Containers of this product should have affixed the following label (in addition to the identity label):

CAUTION: Flammable liquid. Direct contact may cause eye and skin irritation. Excessive inhalation of vapors may cause irritation of nose and throat. Keep product from heat, sparks and open flame. Avoid inhalation, ingestion, skin contact and eye contact.

Read and understand the Material Safety Data Sheet for additional information before working with this compound.

SECTION 13. REGULATORY INFORMATION

Department of Transportation

Exempt. Small volume consumer product.

TSCA

All components contained in this mixture are listed on the TSCA inventory.

CERCLA

If this material is spilled, it is not subject to any special reporting requirements.

SARA Title III

Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories: None.

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The information and recommendations contained herein are based on standard product and proprietary and furnished solely for the use of our customers. Since it is impossible for us to determine the precise conditions under which our products will be used, neither Citius USA, Inc. nor its affiliates can accept responsibility for loss, injury, or other damages resulting from the use of the product or this or any other information provided by us. Users are advised to make their own tests to determine the safety, suitability and relevance of federal and local law to the product as it is to be used by them by them. Therefore, unless otherwise agreed in a signed writing, no guarantees of any kind, including those of fitness or merchantability, are made by Citius USA, Inc. or its affiliates with regard to any of their products.

No representation, warranty or guarantee, express or implied (including a warranty of fitness or merchantability for a particular purpose), is made with respect to the material, the accuracy of this information, the results to be obtained from the use thereof, or the hazards connected with the use of the material. Caution should be used in the handling and use of the material because it is a biologically active compound.