

MATERIAL SAFETY DATA SHEET

Date: May 29, 1992

Stock # OTI-220, OTI-221, OTI-222, OTI-223, OTI-229

SECTION 1. COMPANY AND MATERIAL IDENTIFICATION

Supplier of Data: Citius USA, Inc.
120 Interstate Parkway, Suite 106
Atlanta, GA 30339
(404) 953-3863

In emergency, call: (404) 953-3863

MATERIAL IDENTIFICATION

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

Chemical Family: Not Applicable - Mixture

Component	CAS #	Percent Composition
Petroleum distillate, hydrotreated light naphtha	64742-49-0	50-55
Titanium dioxide	13463-67-7	35-40
Polycrylate 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 0.8

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.