

# MATERIAL SAFETY DATA SHEET #12

Medical Emergency Telephone (Poison Center): (303) 623-5716  
 Chemtrec Emergency Telephone: 1-800-424-9300  
 Non-Emergency Telephone: 1-413-525-5870

## SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

PRODUCT NAME: PLATE CLEANER/PRESERVER

PRODUCT DESCRIPTION: For cleaning lithographic plates and preserving them for future printing

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS (Typical Values)

HAZARDOUS INGREDIENTS	CAS NO.	WT %	ACGIH(TLV)	OSHA(PEL)†
Petroleum Distillates	64741-65-7	<L12	100ppm	100ppm
OTHER IMPORTANT INGREDIENTS				
Surfactant	9014-92-0	<L2	*NE	*NE
Triethanolamine	102-71-6	<L2	*NE	*NE
Gum Arabic	9000-01-5	<L5	*NE	*NE
Dehydrated Corn Syrup	68131-37-3	<L6	*NE	*NE

†The PEL limit values listed above are published figures from the 1989 Title 29, CFR 1910.1000, Z list using transitional limits.

\*None Established

## SECTION 3: HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

A liquid that is flammable and emits toxic fumes upon thermal decomposition. Irritating to eyes, skin, and respiratory tract. Shut off ignition sources and keep unnecessary people away and upwind. In case of fire, use self-contained breathing apparatus (SCBA) and follow Section 5. For accidental release measures, follow Section 6. See **Emergency Response Guide (DOT) #26**.

POTENTIAL HEALTH EFFECTS: Routes of Entry .....Eye, Skin, Inhalation, Ingestion

#### A. ACUTE EXPOSURE EFFECTS (NOTE: Pertains to Finished Product)

Eye Contact: May cause irritation and dermatitis with prolonged contact.  
 Skin Contact: May cause irritation.  
 Inhalation: Normally no problem, but inhalation of mist could cause respiratory irritation, headache, and dizziness.  
 Ingestion: May cause irritation of the mucous membranes or digestive tract. Minute amount aspirated into lungs during ingestion may cause pulmonary injury.

B. CHRONIC HEALTH EFFECTS (NOTE: Pertains to each ingredient listed in Section 2 per 29 CFR Sect. 1910.1200)

*A computerized literature search of national databases did not yield any chronic effects associated with these materials. (These databases are researched every six months for any new toxic information.)*

**Carcinogenicity Listing**      NTP No      IARC No      OSHA No

#### SECTION 4: FIRST AID MEASURES

**Eyes:** Immediately flush with plenty of running water for at least 15 minutes. Obtain medical attention.  
**Skin:** Flush affected areas promptly with water for 15 minutes. Remove contaminated clothing. In case of continued irritation consult physician.  
**Inhalation:** For over-exposure, remove to fresh air.  
**Ingestion:** Obtain immediate medical attention.

#### SECTION 5: FIRE FIGHTING MEASURES

**Flash Point:** 111° F  
**Extinguishing Media:** Foam, Dry Chemical, CO<sub>2</sub>. Water may be ineffective but should be used to keep fire-exposed containers cool.  
**Special Fire Fighting Procedures:** Containers should be kept cool with water spray. To avoid inhalation of toxic fumes, wear MSHA/NIOSH-approved self-contained breathing apparatus.  
**Unusual Fire & Explosion Hazards:** When heated to decomposition, emission of toxic fumes is possible.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Spill or Leak Procedures** NOTE: Review Sections 5 and 8 before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Dike spill. Prevent liquid from entering sewers, waterways, or low areas. Soak up with sawdust, sand, oil dry, or other absorbent material and place in tight, closed, metal containers.

#### SECTION 7: HANDLING AND STORAGE

Avoid eye and skin contact, and store in well-ventilated area. Keep container tightly closed. Do not store with incompatible materials (see Section 10). Do not store or consume food, drink or tobacco in area where they may become contaminated with this material.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** None needed with working mixtures and normal room ventilation (10 changes of air per hour).  
**Ventilation:** Room ventilation is sufficient. Avoid use of product in unventilated areas. Always control airborne levels below the exposure guidelines when reported in Section 2 (use 50% of the TLV).  
**Skin and Eye Protection:** Splash protection required for eyes, e.g., eye glasses with side shields or goggles. For skin protection use chemical resistant gloves and aprons. Disposable coveralls are optional, and discard after use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT	>212° F
MELTING POINT	Not Applicable
VAPOR PRESSURE (mm Hg) at 20°C	Less than ether
VAPOR DENSITY (AIR=1)	Heavier than air
EVAPORATION RATE: (Butyl acetate = 1)	Not Established
VOLATILE FRACTION BY WEIGHT	88%
SOLUBILITY IN WATER (By Weight %)	Soluble
SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.06
pH	9.0 - 10.0
APPEARANCE	Milky liquid
ODOR	Vanilla odor

## SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable.
Incompatibility:	Avoid strong oxidizers such as Hydrogen Peroxide, Bromine, and Chromic Acid.
Hazardous Decomposition Products:	CO <sub>2</sub> , CO, Oxides of Sulfur
Hazardous Polymerization:	Will not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological properties of this substance have not been fully investigated.

## SECTION 12: ECOLOGICAL INFORMATION

**General:** Not expected to present any significant ecological problems. Non-photochemically reactive.

## SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Recover nonusable free liquid and/or contaminated water, and dispose of in an approved and permitted treatment system; incineration is recommended. Remove nonusable solid material and/or contaminated soil, for disposal in an approved and permitted landfill. Discharge to sewer requires approval of permitting authority and may require pretreatment.

## SECTION 14: TRANSPORTATION INFORMATION

DOT, IMO, IATA/ICAO, Transport Canada

### UPS Ground Non Regulated

Hazard Class:	Class 3.3, Flammable Liquid
Proper Shipping Name:	Petroleum Distillates
UN Number	UN 1268
Label:	Flammable Liquid
Packing Group:	PG III
Placard:	Flammable

Shipping Papers Description: Petroleum Distillates, 3, UN1268, PG III

### NFPA Hazard Rating

HEALTH .....	1
FLAMMABILITY .....	2
REACTIVITY .....	0
SPECIAL .....	None
4 = Extreme	1 = Slight
3 = High	0 = Insignificant
2 = Moderate	

## SECTION 15: REGULATORY INFORMATION

### U.S. FEDERAL REGULATION

OSHA: Hazard Communication Rule, 29 CFR, 1910.1200 - Not listed.

TSCA: All ingredients in this finished product are listed on the EPA TSCA Inventory (see Section 2).

CERCLA HAZARDOUS SUBSTANCE (40 CFR 302): Not listed RQ = Not reported.

SARA Title III: Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313).

SARA Hazard Categories: **Immediate** (see Section 3, Acute Health Effects) **Fire** (see Section 5).  
Components present in this product at a level which could require reporting under the statute are: None.

CHEMICAL SUBSTANCE	CAS NO.	CONCENTRATION	A	B	C	D	E	F	G
FEDERAL REGULATIONS A = SARA	STATE REGULATIONS B = California Proposition 65 C = Florida D = Rhode Island	INTERNATIONAL REGULATIONS *E = EINECS F = WHMIS (Canada) G = Canadian Domestic Substance List							

\*EINECS Number:

## SECTION 16: OTHER INFORMATION

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