MATERIAL SAFETY DATA SHEET

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Approved by: James A. Bertsch

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Section 1 Chemical Product and Company Information

Product	**PICCOLYTE (SYNTHETIC IN XYLENE)**
Synonyms	Terpene Resins Dissolved in Xylene; Piccolyte Slide Mounting Media

CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300

Section 2 Composition / Information on Ingredients

Chemical Name	CAS #	%	TLV Units
Xylenes, mixed isomers	1330-20-7	40%	TWA: 100 ppm; STEL: 150 ppm
Terpine resin	68240-09-5	60%	TWA: 100 ppm (ACGIH 2001)

Section 3 Hazards Identification

Emergency Overview

DANGER! FLAMMABLE!
HARMFUL OR FATAL IF SWALLOWED. CAUSES SKIN AND EYE IRRITATION. VAPOR HARMFUL. Use only in a well-ventilated area. Keep away from heat, sparks or open flame. Target organs: Liver, kidneys, skin, eyes, respiratory, cardiovascular and central nervous systems, GI tract, auditory system (repeated or prolonged exposure).

0 = Minimal
1 = Slight
2 = Moderate
3 = Serious
4 = Severe

Health	2
Fire	3
Reactivity	1
Contact	3

HMIS *

Section 4 First Aid Measures

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN CONTACT: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

General information: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Fires involving a small amount of combustibles may be smothered by dry chemical. Vapors are heavier than air and may travel to a source of ignition and flash back. Liquid floats on water and may travel to a source of ignition and spread fire. Combustion may produce irritant and toxic gases.

Extinguishing Media: Carbon dioxide, dry chemical, water spray, alcohol foam.

Flash Point: 27-32°C (80-90°F) TCC (Xylene)

Autoignition temperature: 463-527°C (867-982°F) ASTM D 2155 (Xylene)

Explosion Limits: Lower: 1.1% **Upper:** 7.0%

NFPA

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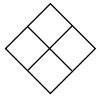

None listed.

Section 6 Accidental Release Measures

Use proper personal protective equipment as indicated in Section 8. Remove all sources of ignition. Provide adequate ventilation. Recover for use if not contaminated. Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water. Avoid runoff into storm sewers and ditches which lead to waterways.

(2004 EMERGENCY RESPONSE GUIDEBOOK, RSPA P 5800.9, GUIDE PAGE NO. 128)

Section 7 Handling & Storage — FLAMMABLE STORAGE CODE RED

Read label on container before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.
Handling: Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid ingestion. Do not inhale vapors, spray or mist. Wash thoroughly after handling. Remove and wash clothing before reuse.
Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from ignition sources.

Section 8 Exposure Controls / Personal Protection

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: Use a chemical fume hood and/or wear a NIOSH/MSHA-approved respirator.

Section 9 Physical & Chemical Properties

Physical state: Liquid.
Appearance: Yellow-green, viscid, transparent.
Odor: Aromatic odor.
pH: N/A
Vapor pressure (mm Hg): 6 @ 20°C (68°F)(Xylene)
Vapor Density (Air = 1): 3.7(Xylene)
Evaporation rate (Butyl acetate = 1): 0.7(Xylene)
Viscosity: N/A
Boiling point: 139-141°C (283-286°F)(Xylene)
Freezing / Melting point: N/A
Decomposition temperature: N/A
Solubility: Negligible.
Specific gravity (H_2O = 1): 0.87 @ 15°C (60°F)(Xylene)
Percent volatile (%): 100%
Molecular formula: Mélange.
Molecular weight: Mélange.

Section 10 Stability & Reactivity

Chemical stability: Stable
Hazardous polymerization: Will not occur.
Conditions to avoid: Excessive temperatures, heat, sparks, open flame and other sources of ignition.

Incompatibilities with other materials: Oxidizing materials, acids.

Hazardous decomposition products: Oxides of carbon and unidentified organic material may be formed during combustion.

Section 11 Toxicological Information

Effects of overexposure: Overexposure can lead to central nervous system depression producing such effects as headache, dizziness, nausea and loss of consciousness. Inhalation of high concentrations or prolonged exposure to lower concentrations may be slightly irritating to mucous membranes. Ingestion of liquid may result in vomiting. Aspiration of liquid into lungs must be avoided as liquid contact with lungs can result in chemical pneumonitis and pulmonary edema/hemorrhage. Causes irritation to eyes. Causes irritation and/or dermatitis of skin.

ORL-RAT LD50: >2000 mg/kg (xylene)
IHL-RAT LC50: >5000 ppm/1H (xylene)
SKN-RBT LD50: >2000mg/kg (xylene)

Section 12 Ecological Information

Data not yet available.

Section 13 Disposal Considerations

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

Section 14 Transport Information

UN/NA number: UN1993
Shipping name: Flammable liquids, n.o.s., (Xylene)
Hazard class: 3
Packing group: III
Exceptions: Ltd Qty ≤ 5 Lt.

Section 15 Regulatory Information

Data not yet available.

Section 16 Additional Information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards.