



SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS Standards, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union standards

1. PRODUCT IDENTIFICATION

<u>TRADE NAME (AS LABELED):</u>	FL-9002, FPC-3750, FPC-3751, FPC-9000, FPC-9001,
<u>PRODUCT NUMBERS:</u>	CLEAR ADHESIVE
<u>CHEMICAL NAME:</u>	Same as above
<u>PRODUCT USE:</u>	Adhesive
<u>MANUFACTURER'S NAME:</u>	Clear Adhesive for various applications
<u>ADDRESS:</u>	FPC Corporation
	355 Hollow Hill Drive
	Wauconda, IL 60084
<u>BUSINESS PHONE:</u>	847-487-4583
<u>FAX NUMBER:</u>	847-487-0174
<u>DATE OF PREPARATION:</u>	August 21, 2014

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

Product Description: This product is a clear, colorless liquid with characteristic sweet odor.

Health Hazards: Can cause serious or fatal complications if swallowed. Can cause eye and skin irritation upon contact. Inhalation of vapors can cause anesthetic effects which could lead to death in poorly ventilated areas.

Flammability Hazards: This product is flammable liquid with a flash point 24°F (-4.4°C)

Reactivity Hazards: None known.

Environmental Hazards: This material is not expected to be an environmental hazard

Emergency Considerations: Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

US DOT SYMBOLS



CANADA (WHMIS) SYMBOLS



EUROPEAN and (GHS) Hazard Symbols



Signal Word: **Danger!**

EU LABELING AND CLASSIFICATION:

Classification of the substance or mixture according to Regulation (EC) No1272/2008 Annex 1

EC# 203-625-9 Annex I Index# 601-021-00-3

EC# 205-500-4 Annex I Index# 607-022-00-5

Substances not listed either individually or in group entries must be self classified

COMPONENT(S) DETERMINING HAZARD:

Toluene, Ethyl Acetate

GHS Hazard Classification(s):

Flammable Liquid Category 2
 Reproductive Toxicity Category 2
 Aspiration Toxicity Category 1
 STOT RE Category 2
 Skin Irritant Category 2
 Eye Irritant Category 2
 STOT SE Category 3



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Hazard Statement(s):

H225: Highly flammable liquid and vapor
 H361: Suspected of damaging fertility or the unborn child
 H304: May be fatal if swallowed and enters airways
 H373: Causes damage to organs through prolonged or repeated exposure
 H315: Causes skin irritation
 H319: Causes serious eye irritation
 H336: May cause drowsiness or dizziness

Precautionary Statement(s):

P210: Keep away from heat/sparks/open flames/hot surfaces – No Smoking
 P233: Keep container closed when not in use
 P264: Wash hands thoroughly after handling
 P270: Do not eat, drink or smoke when using this product
 P280: Wear protective gloves/protective clothing/eye protection/face protection

EU HAZARD CLASSIFICATION PER DIRECTIVE 1999/45/EC:

[F] Flammable, [Xn] Harmful, [Xi] Irritant

Risk Phrases:

R11: Highly flammable
 R63: Possible risk of harm to the unborn child
 R48/20: harmful: danger of serious damage to health by prolonged exposure through inhalation.
 R36/38: Irritating to eyes and skin
 R65: Harmful: may cause lung damage if swallowed
 R66: Repeated exposure may cause skin dryness or cracking
 R67: Vapors may cause drowsiness or dizziness

Safety Phrases:

S16: Keep away from sources of ignition – No Smoking
 S24/25: Avoid contact with skin and eyes
 S36/37: Use suitable skin and eye protection
 S46: If swallowed, seek medical advice immediately and show container or label.

HEALTH HAZARDS OR RISKS FROM EXPOSURE:

ACUTE: Inhalation of high concentrations is irritating to the respiratory tract. May cause headache, dizziness, vomiting and malaise. Brief skin contact may cause slight irritation. Prolonged skin contact may cause moderate irritation or dermatitis. High vapor concentrations or contact with eyes may cause irritation and discomfort. Ingestion of this product may result in vomiting. Aspiration of vomitus into the lungs must be avoided. Minute amounts aspirated into the lungs can produce severe lung injury, chemical pneumonitis, pulmonary edema or death.

CHRONIC: Prolonged skin contact may cause moderate irritation or dermatitis. This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

TARGET ORGANS: ACUTE: Eye, Respiratory System, Skin CHRONIC: Skin

3. COMPOSITION and INFORMATION ON INGREDIENTS

Hazardous Ingredients:	CAS #	EINECS #	ICSC #	WT %	Hazard Symbol; Risk Phrases
Toluene	108-88-3	203-625-9	0078	40 - 70%	HAZARD CLASSIFICATION: [F] Flammable, Repr Cat. 3, [Xn] Harmful, [Xi] Irritant RISK PHRASES: R11, R63, R48/20, R65, R38, R67
Ethyl Acetate	141-78-6	205-500-4	0367	3 – 10%	HAZARD CLASSIFICATION: [F] Flammable, [Xi] Irritant RISK PHRASES: R11, R36, R66, R67
Balance of other components. Each of the other components is present in less than 1 percent concentration (0.1% concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens)					

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard *JIS Z 7250: 2000*. This material is classified as non-hazardous under OSHA regulations 29 CFR 1910.1200.

4. FIRST-AID MEASURES

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to health professional with contaminated individual.



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SKIN EXPOSURE: If this product contaminates the skin, begin decontamination with running water. Minimum flushing is for 5 minutes. Remove exposed or contaminated clothing, taking care not to contaminate eyes. The contaminated individual should seek medical attention if any adverse effect occurs.

EYE EXPOSURE: If this product enter the eyes, open contaminated individual's eyes while under gently running water. Use sufficient force to open eyelids. Remove contact lenses if worn. Have contaminated individual "roll" eyes. Minimum flushing is for 15 minutes. Contaminated individual must seek medical attention if irritation develops or persists or if visual changes occur.

INHALATION: If vapors/mists generated by this product are inhaled, remove contaminated individual to fresh air. If necessary, use artificial respiration to support vital functions. **SEEK IMMEDIATE MEDICAL ATTENTION.**

INGESTION: If this product is swallowed, **CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION.** DO NOT induce vomiting; if vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow. **SEEK IMMEDIATE MEDICAL ATTENTION.**

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing skin and respiratory conditions may be more susceptible to effects of this material.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate overexposure.

5. FIRE-FIGHTING MEASURES

FLASH POINT: 24°F (-4.4°C)

AUTOIGNITION TEMPERATURE: Not Available

FLAMMABLE LIMITS (in air by volume, %): Lower 2.2% Upper 11.0%

FIRE EXTINGUISHING MATERIALS: Use dry chemical extinguishing media, carbon dioxide, foam. Water spray can be used to keep containers cool.

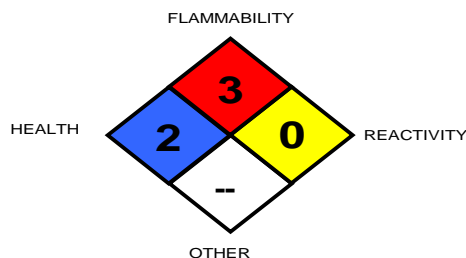
UNUSUAL FIRE AND EXPLOSION HAZARDS: Product is flammable. Vapors may cause a flash fire or ignite explosively. Vapors may travel a considerable distance to a source of ignition and flash.

Explosion Sensitivity to Mechanical Impact: Not Sensitive

Explosion Sensitivity to Static Discharge: Sensitive

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING



Hazard Scale: 0 = Minimal 1 = Slight
2 = Moderate
3 = Serious 4 = Severe



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6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Personnel should be trained for spill response operations. Wear appropriate protective equipment such as rubber gloves, safety glasses, and appropriate body protection. Stop discharge if safe to do so.

SPILL: Evacuate and ventilate area; confine and absorb using non-combustible media. Pickup and place in approved container for disposal. Do not discharge into lakes, ponds, streams or public waters.

DISPOSAL: Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations). Dispose of recovered material and report spill per regulatory requirements.

7. HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

STORAGE AND HANDLING PRACTICES: All employees who handle this material should be trained to handle it safely. Keep away from sources of ignition. Avoid contact with eyes, skin and clothing. Keep the container tightly closed and dry.

EMPTY CONTAINER PRECAUTION: Attention! Follow label warnings even after container is emptied since empty containers may retain product residues.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation, and process enclosure if necessary, to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

EXPOSURE LIMITS/GUIDELINES:

Component Name	CAS#	ACGIH-TLV's	OSHA PEL's	NIOSH-TLV's	Other
Toluene	108-88-3	50 ppm	200 ppm	50 ppm	50 ppm
Ethyl Acetate	141-78-6	400 ppm	400 ppm	400 ppm	400 ppm

Currently, International exposure limits are established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: Maintain concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION: Wear chemical goggles, face shield. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

HAND PROTECTION: Wear gloves to protect from skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

BODY PROTECTION: Work clothing sufficient to prevent skin contact. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

9. PHYSICAL and CHEMICAL PROPERTIES

EVAPORATION RATE (n-BuAc=1): <1

SPECIFIC GRAVITY @ 20°C: 0.80 – 0.90 (water=1)

VAPOR PRESSURE, mm Hg @ 20°C (68°F): 76 mmHg @ 20°C

ODOR THRESHOLD: Mild

APPEARANCE, ODOR and COLOR: This product is a clear liquid with a characteristic sweet odor.

SOLUBILITY IN WATER: Negligible

pH: NA



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10. STABILITY and REACTIVITY

STABILITY: Stable.

DECOMPOSITION PRODUCTS: Thermal degradation produces carbon monoxide, carbon dioxide and other toxic fumes.

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: The product may react to strong acids and oxidizing agents.

POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur.

CONDITIONS TO AVOID: Avoid ignition source and incompatible materials.

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA:

No LD50 Data Available for this product

SUSPECTED CANCER AGENT: The components of this product are not listed by agencies tracking the carcinogenic potential of chemical compounds as follows:

Carcinogenity

NTP Regulated No

IARC Regulated No

OSHA Regulated No

IRITANCY OF PRODUCT: This product can cause skin respiratory and eye irritation.

SENSITIZATION TO THE PRODUCT: These products are not known to cause human skin or respiratory sensitization.

REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of this product and its components on the human reproductive system.

Mutagenicity: The components of this product are not reported to produce mutagenic effects in humans.

Embryotoxicity: The components of this product are not reported to produce embryotoxic effects in humans.

Teratogenicity: The components of this product are not reported to produce teratogenicity effects in humans.

Reproductive Toxicity: The components of this product are not reported to produce reproductive effects in humans.

12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

MOBILITY IN SOIL: These products have not been tested for mobility in soil.

PERSISTENCE/DEGRADABILITY: These products have not been tested for persistence or biodegradability.

ENVIRONMENTAL STABILITY: Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways

BIOACCUMULATION/ACCUMULATION: These products have not been tested for bio-accumulation potential.

13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

14. TRANSPORTATION INFORMATION

US DOT, IATA, IMO, ADR:

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS: This product is classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

This product may be shipped in within the USA as a "Limited Qty".

Limited quantities of flammable liquids (Class 3) and combustible liquids are excepted from labeling requirements, unless offered for transportation or transported by aircraft, and the specification packaging requirements of this subchapter when packaged in combination packagings according to this paragraph. In addition, shipments of limited quantities are not subject to subpart F (Placarding) of part 172. Each package must conform to the packaging requirements of subpart B of this part and may not exceed 30 kg (66 pounds) gross weight. For flammable liquids in Packing Group III and combustible liquids, inner packagings not over 5.0 L (1.3 gallons) net capacity each, packed in strong outer packagings.



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PROPER SHIPPING NAME: FLAMMABLE LIQUID, n.o.s. (Contains Toluene and Ethyl Acetate)
HAZARD CLASS NUMBER and DESCRIPTION: CLASS 3,
UN IDENTIFICATION NUMBER: UN 1993
PACKING GROUP: PGIII
DOT LABEL(S) REQUIRED: Flammable Class 3
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER: 128
RQ QUANTITY: 1000 Lbs
MARINE POLLUTANT: The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: These products are classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA): These products are classified as Dangerous Goods, by rules of IATA:

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION: These products are classified as Dangerous Goods by the International Maritime Organization.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR): These products are classified by the United Nations Economic Commission for Europe to be dangerous goods

15. REGULATORY INFORMATION

UNITED STATES REGULATIONS:

U.S. SARA REPORTING REQUIREMENTS: The components of these products are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for any component of these products. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): Toluene CAS# 108-88-3 1,000 Lb RQ, Ethyl Acetate CAS# 141-78-6 5,000 Lb RQ.

U.S. TSCA INVENTORY STATUS: The components of these products are listed in the TSCA Inventory.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product does contain a component above the 0.1% level which is listed as a California Proposition 65 chemical.

WARNING! This product contains an ingredient which is known to the State of California to cause cancer or reproductive harm.

CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are on the DSL Inventory, or are exempted from listing.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: Class B2 Flammable liquid and Class D Division 2B material causing other toxic effects, as per the Controlled Product Regulations.

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

SEE SECTION 2 FOR DETAILS

AUSTRALIAN INFORMATION FOR PRODUCT:

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: The components of this product are listed on the AICS or are exempt.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.



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INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac: Listed or exempt

Australian Inventory of Chemical Substances (AICS): Listed or exempt

Korean Existing Chemicals List (ECL): Listed or exempt

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed or exempt

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed or exempt

Swiss Giftliste List of Toxic Substances: Listed or exempt

U.S. TSCA: Listed or exempt

16. OTHER INFORMATION

PREPARED BY: Paul Eigbrett

GHS MSDS Compliance PLUS

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