

MATERIAL SAFETY DATA SHEET



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Epotec Thinner 107

Recommended Use: Thinning and clean up of solvent based paints.

Supplier: Hitchins Technologies Pty Ltd
Address: 9 – 163 Currumburra Rd
Ashmore, QLD 4214

Telephone Number: + 61 7 5597 6435
Facsimile: + 61 7 5597 0663

Emergency Telephone: +61 7 5597 6435 M – F 9am – 5 pm
Australian Poisons Centre: 13 11 26

2. HAZARDS IDENTIFICATION

Hazard Classification: ERMA GROUP STANDARD – Surface Coatings and Colourants (Flammable)

Substance Classification: 3.1C, 6.1D, 6.3A, 6.4A, 6.8B, 6.9B, 9.1D, 9.3C

Hazard Statements: Flammable liquid, acute toxicity (oral, dermal, inhalation), skin irritant, eye irritant, reproductive or developmental toxicity, target organ or systemic toxicity (oral, inhalation), aquatic ecotoxic (fish, crustacean, algal), vertebrate ecotoxic.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Proportion	TLV:
Xylene	1330-20-7	90%	100 ppm
Methyl ethyl ketone	78-93-3	10%	200 ppm

4. FIRST AID MEASURES

If medical advice is needed, have product container or label at hand.

Swallowed: Nil by mouth. Do NOT induce vomiting. Seek medical attention IMMEDIATELY.

Skin: Remove immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. If persistent irritation occurs, seek medical attention.

Inhaled: Remove to fresh air and keep at rest in a comfortable position. If rapid recovery does not occur, seek medical attention.

Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention promptly.

Dermatitis may result from prolonged or repeated exposure. Aspiration into lungs may cause chemical pneumonitis. Causes central nervous system depression. Severe exposure may cause blurred vision, tremors, shallow and rapid breathing, delirium and unconsciousness.

5. FIRE FIGHTING MEASURES

Explosion:	Highly flammable. Can cause explosive mixtures with air. Closed container may explode when exposed to extreme heat. Isolate from heat, electrical equipment, sparks and open flame. Carbon monoxide may be evolved if incomplete combustion occurs. Product will float and can be reignited on surface water. Vapour is heavier than air, spreads along the ground and distant ignition is possible.
Fire Extinguishing Media:	Foam, carbon dioxide or dry chemical powder.
Special Information:	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:	If contamination of land, sewers or waterways has occurred advise local emergency services.
Methods and materials for Containment and clean up:	Slippery when spilt. Extinguish all naked flames and remove ignition sources. Ventilate the area and evacuate all non-essential personnel. Avoid breathing vapours, and contact with skin, eyes or clothing. Avoid accidents, clean up immediately. Contain – prevent run off onto soil and into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

7. HANDLING AND STORAGE

Store at ambient temperatures. Keep containers tightly closed and in a well ventilated area. Keep away from direct sunlight, and other sources of heat or ignition. In use, may form flammable/explosive vapour-air mixture. Electrostatic charges may be generated during handling. Earth all equipment.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Limits: TLV/TWA (ACGIH 1994/95) is 100ppm. (441 mg/m³)
STEL (ACGIH 1994/95) is 150ppm. (662 mg/m³)
Not classifiable as a human carcinogen or mutagen.

Personal Protection:

Hands/Feet:	Nitrile gloves or elbow length PVC gloves. PVC boots or PVC safety gumboots.
Eyes:	Wear glasses/goggles with side shields or face shield to protect face and eyes. Contact lenses pose a special hazard: soft lenses may absorb irritants and all lenses concentrate them.
Breathing:	Full face respirator with organic vapour canister NPF 400.
Other:	Normal work clothes covering arms and legs. Overalls, solvent resistant apron and boots. Provide sufficient ventilation to maintain exposure at safe level.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless liquid.
Odour:	Aromatic and ketone odour.
Solubility:	0.175 kg/m ³ in water
Specific Gravity:	0.86
pH:	n/a
Boiling Point:	138-142°C
Flash Point:	25 °C (Abel)
Flammability Limits, % vol:	LEL 1.1, UEL 6.6
Vapour Pressure:	1000 Pa @ 20°C
Vapour Density:	3.7 (air = 1)
Autoignition Temp:	500°C
% Volatile by Weight:	100

10. STABILITY AND ACTIVITY

Chemical Stability:	Stable under normal conditions of use.
Conditions to avoid:	Avoid exposure to heat or ignition sources.
Incompatible materials:	Strong acids and strong oxidizing agents.
Hazardous decomposition Products:	Carbon monoxide may be evolved if incomplete combustion occurs.

11. TOXICOLOGICAL INFORMATION

Ingestion:	Acute oral LD50 (rat) > 2000 mg/kg. Aspiration into lungs may cause chemical pneumonitis which can be fatal.
Eye Contact:	Irritant.
Skin Contact:	Acute dermal LD50 (rat) > 2000 mg/kg. Contact with skin will result in irritation. Not expected to be a skin sensitizer. Prolonged or repeated exposure may cause defatting of skin, leading to dermatitis.
Inhalation:	Acute inhalation LC50 (rat) > 5mg/l. Harmful by inhalation. Narcotic at high vapour concentrations.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Aquatic ecotoxic (fish, crustacean, algal). Vertebrate ecotoxic.
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13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor.

14. TRANSPORT INFORMATION

Proper Shipping Name: Xylenes
U.N No: 1307
Packing Group: III
Hazchem: 3[Y]
Class: 3b

15. REGULATORY INFORMATION

Classified as hazardous, the following sub classifications apply:

- 3.1C** Flammable liquid
- 6.1D** Acute toxicity (oral, dermal, inhalation)
- 6.3A** Skin irritant
- 6.4A** Eye irritant
- 6.8B** Reproductive or developmental toxicity
- 6.9B** Target organ or systemic toxicity (oral, inhalation)
- 9.1D** Aquatic ecotoxic (fish, crustacean, algal)
- 9.3C** Vertebrate ecotoxic.

16. OTHER INFORMATION

Date of Preparation: 7 May 2010
Product Code: 99-700
Version: 2

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