

Date: 10/5/06

Thermopatch Corporation
Material Safety Data Sheet

Section 1

Product Name: Ink Cartridges (containing –15 ink), black, red, green, blue
Manufacturer: Thermopatch Corporation
Address: 2204 Erie Blvd. East
P.O. Box 8007
Syracuse, NY 13217-8007
Emergency Telephone: 315-446-8110
Information Telephone: 315-446-8110

Section 2-Hazardous Composition

This product is not considered to be a hazardous substance as defined under OSHA's Hazard Communication Standard (29 CFR 1910.1200). The ingredients used to prepare the ink that is in these cartridges are listed below. Some of the raw materials contain hazardous impurities at low levels. These are also listed.

Component	Amount (Wt %)
Plasticizer	36
PVC resin	4.5
Pigment	59.5
Vinyl acetate	trace
1,1,2-trichloroethylene	trace
Trivalent chromium complex (red)	trace

Section 3-Physical Data

Appearance and Odor: Plastic cartridge containing fabric ribbon that is saturated with proprietary ink.
Boiling Point: N/A
Vapor Density: N/A
Evaporation Rate: N/A
Solubility in Water: not soluble
Specific Gravity: N/A
pH: N/A
% Volatile Weight: Essentially non-volatile

Section 4-Fire and Explosion Hazard Data

Flash Point (method used): N/A
Flammable Limits (% by volume): N/A
Fire Extinguishing media: Use water spray, foam, CO₂, or dry chemical
Special Fire Fighting Procedures: Firefighter should be equipped with a self-contained breathing apparatus. Combustion products may contain CO, CO₂, HCl, aromatic and aliphatic hydrocarbons

Section 5-Reactivity Data

Stability:	Stable
Incompatibility (materials to avoid):	Excessive heat for long periods of time. Oxidizing or reducing agents may destroy color.
Hazardous Polymerization:	Will not occur
Hazardous decomposition or byproducts:	Decomposition or combustion of this material may generate irritating vapors consisting of CO, CO ₂ , HCl, and hydrocarbons and other potentially toxic fumes.

Section 6-Health Hazard Data

Moderate irritation to eyes and skin may occur on contact. Contact with skin will produce stubborn staining. Ingestion may cause irritation or gastric disturbances. When heated, over exposure to vapors may cause respiratory tract irritation, dizziness, headache, nausea or chronic pulmonary congestion. Use heated material under well-ventilated conditions. Wear eye protection and cotton gloves. Wash thoroughly after handling.

Carcinogenic Status:

Component	IARC	OSHA	NTP
Plasticizer	Group 3	Not listed	Not listed
Polyvinyl chloride	Group 3	Not listed	Not listed
Vinyl acetate	Group 2B	Not listed	Not listed
1,1,2-trichloroethylene	Group 2A	Not listed	Anticipated Carcinogen
Trivalent chromium (red)	Group 3	Not listed	Not listed

Emergency and First Aid Procedures:

Skin Contact-Remove contaminated clothing. Wash skin with soapy water. Rinse thoroughly. Consult a physician if irritation persists.

Eye Contact-Flush with large amounts of clean water for at least 15 min. Obtain medical attention without delay.

Ingestion-Seek medical advice.

Inhalation-Remove victim to fresh air. Consult a physician if breathing becomes difficult.

Section 7-Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Collect materials and dispose in general waste. Clean up any ink with paper towels. Wear gloves to avoid contact with skin.

Waste disposal method: Incineration or landfill. Contact state and local government.

Precautions to be taken when handling or storing: General precautions

Section 8-Special Protection Information

Respiratory Protection: NIOSH approved chemical cartridge respirators are recommended when working with heated material in restricted ventilation areas.

Protective gloves: cotton

Eye Protection: safety glasses recommended when handling heated material.

Section 9-Special Precautions

Handling and storage precautions: Normal and good housekeeping, industrial hygiene and personal hygiene practices should be adhered to. Unnecessary, excessive an/or prolonged personal contact with heated material should be avoided. Use only with adequate ventilation. Wash hands before eating, drinking, smoking or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before re-use.

Section 10-User Responsibility

This information is given in good faith but no warranty is made, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the materials or the results to be obtained from the use thereof. Compliance with all the applicable federal, state and local laws and regulations remains the responsibility of the user.