



## SAFETY DATA SHEET

### HARMONY VIOLET CTP DEVELOPER

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#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** Harmony Violet CTP Developer  
**PRODUCT USE:** A negative plate developer

**SUPPLIER:** Xanté  
**ADDRESS:** 2800 Dauphin St.  
 Mobile, AL 36606 USA  
 USA 251-473-6502  
 Toll Free 800-926-8839

**EMERGENCY PHONE:** ChemTel: North America: 1-800-255-3924  
 International: +01-813-248-0585

**CHEMICAL FAMILY:** A aqueous blend of surfactant and potassium hydroxide.

**ISSUE DATE:** 8/17/07

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#### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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The product may contain additional non-hazardous or trade-secret components.

##### INGREDIENT:

	<u>EC NO.</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>
Dipropylene Glycol Methyl Ether	252-104-2	34590-94-8	1 -5 %	NA
Ethylenediaminetetraacetic Acid				
Tetrasodium Salt	200-537-9	64-02-8	0.2 – 1 %	NA
Potassium Hydroxide	215-181-3	1310-58-3	< 1 %	NA
Triethanolamine	203-049-8	102-71-6	1 – 5 %	NA

Dipropylene Glycol Methyl Ether

	<u>ppm</u>	<u>mg/m3</u>
<b>OSHA PEL-TWA:</b>	100 ppm	600 mg/m <sup>3</sup>
<b>OSHA PEL STEL :</b>	NA	NA
<b>OSHA PEL CEILING:</b>	NA	NA
<b>ACGIH TLV-TWA:</b>	100 ppm	NA
<b>ACGIH TLV STEL:</b>	150 ppm	NA
<b>ACGIH TLV CEILING:</b>	NA	NA

##### **OTHER:**

**IDHL** 600 ppm

Ethylenediaminetetraacetic Acid  
 Tetrasodium Salt

	<u>ppm</u>	<u>mg/m3</u>
<b>OSHA PEL-TWA:</b>	NA	NA
<b>OSHA PEL STEL :</b>	NA	NA
<b>OSHA PEL CEILING:</b>	NA	NA
<b>ACGIH TLV-TWA:</b>	NA	NA
<b>ACGIH TLV STEL:</b>	NA	NA
<b>ACGIH TLV CEILING:</b>	NA	NA

## HARMONY VIOLET CTP DEVELOPER

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Potassium Hydroxide

	<u>ppm</u>	<u>mg/m3</u>
OSHA PEL-TWA:	NA	NA
OSHA PEL STEL :	NA	NA
OSHA PEL CEILING:	NA	NA
ACGIH TLV-TWA:	NA	NA
ACGIH TLV STEL:	NA	NA
ACGIH TLV CEILING:	NA	NA

Triethanolamine

	<u>ppm</u>	<u>mg/m3</u>
OSHA PEL-TWA:	NA	5 mg/m <sup>3</sup>
OSHA PEL STEL :	NA	NA
OSHA PEL CEILING:	NA	NA
ACGIH TLV-TWA:	NA	NA
ACGIH TLV STEL:	NA	NA
ACGIH TLV CEILING:	NA	NA

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**SECTION 3: HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW:**

**ROUTE(S) OF ENTRY:**

**POTENTIAL HEALTH EFFECTS SHORT TERM/ACUTE EXPOSURE:**

Product is considered to be Hazardous according to OSHA and WHMIS criteria

**Eyes** Yes                      **Inhalation:** No                      **Skin:** Yes                      **Ingestion:** Unlikely

**EYES:** Direct contact may cause irritation.

**SKIN:** Prolonged contact may cause irritation, and dryness.

**INHALATION:** No inhalation hazards

**INGESTION:** Ingesting large amounts may cause tissue damage.

**CHRONIC HEALTH HAZARDS:** No further data known

**CARCINOGENICITY:** NTP: NO                      ARC Monographs: NO                      OSHA Regulated: NO

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None known

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**SECTION 4: FIRST AID MEASURES**

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**EYES:** Remove contact lenses from eyes. Flush with large amounts of running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.

**SKIN:** Remove from source of contamination. Wash with water and soap or mild detergent. If irritation persists get medical attention immediately.

**INGESTION:** Do not induce vomiting. Get medical attention immediately

**INHALATION:** Move the exposed person to fresh air. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the person warm at rest. If irritation persists get medical attention immediately.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** No further data known

## HARMONY VIOLET CTP DEVELOPER

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### SECTION 5: FIRE-FIGHTING MEASURES

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#### FIRE AND EXPLOSIVE PROPERTIES:

FLAMMABLE LIMITS IN AIR, UPPER: NA  
(% BY VOLUME) LOWER: NA

FLASH POINT:(Closed Cup): > 100 °C (> 212 °F)

FLAMMABLE CLASS: NA:

AUTOIGNITION TEMPERATURE: NA

#### NFPA HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0 OTHER: NA

#### HMIS HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0 PERSONAL PROTECTION B

EXTINGUISHING MEDIA: Alcohol foam, carbon dioxide or water spray.

SPECIAL FIRE FIGHTING PROCEDURES: Self contained breathing apparatus and full protective clothing must be worn in case of fire. Containers close to fire should be removed or cooled with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NA

HAZARDOUS DECOMPOSITION PRODUCTS: Fire creates Carbon monoxide (CO) Carbon dioxide (CO<sub>2</sub>).

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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CLEAN-UP MEASURES: : Wear protective gloves and in case of splashes chemical goggles or face shield. In case of inadequate ventilation, use respiratory protection. Remove sources of ignition. Stop spill or leak if it can be done safely. Large spills should be absorbed in vermiculite, dry sand or earth and recovered for disposal. Waste materials should be disposed of in accordance with all government regulations. Transfer contaminated absorbent, soil and other materials to containers for disposal.

### SECTION 7: HANDLING AND STORAGE

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HANDLING: As with any chemical, handle the product in a manner that minimizes exposure to practicable levels. Prior to handling, consult Section 8 of this MSDS to evaluate personal protective equipment needs. Open containers slowly to relieve any pressure. Follow all other standard industrial hygiene practices. Empty containers may contain product residue. All safety precautions taken when handling this product should also be taken when handling empty drums and containers. Keep containers closed when not in use.

STORAGE: Store in tightly closed containers. Store in a cool, dry area away from combustibles and reactive chemicals. Keep in original container

OTHER PRECAUTIONS: For Industrial & Institutional use only.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS: Normal general ventilation is expected to be adequate. It is recommended that ventilation be designed in all instances to maintain airborne concentrations at lowest practicable levels. Ventilation should at a minimum, prevent airborne concentrations from exceeding any exposure limits listed in Section 2 of this MSDS.

## HARMONY VIOLET CTP DEVELOPER

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**RESPIRATORY PROTECTION:** When using in a confined area, provide adequate ventilation or exhaust otherwise none needed.

**EYE PROTECTION:** Where splashing may occur, chemical goggles or full face shield is recommended.

**SKIN PROTECTION:** Protective nitrile gloves are not normally needed but they are recommended for long term exposure.

**OTHER PERSONAL PROTECTIVE EQUIPMENT:** Wear full protective clothing for prolonged exposure and/or High concentrations.

**HYGIENIC PRACTICES:** Do not eat drink or smoke in work area! Wash hands after use and before eating, drinking, smoking or using the toilet. Wash promptly if skin becomes wet. Promptly remove contaminated clothing. Keep containers closed when not in use.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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<b>APPEARANCE:</b>	Colorless Liquid	<b>ODOR:</b>	Mild
<b>PHYSICAL STATE:</b>	Liquid	<b>pH AS SUPPLIED:</b>	12 - 13
<b>BOILING POINT:</b>	> 100 °C (>365 °F)°F	<b>MELTING POINT:</b>	NA
<b>FREEZING POINT:</b>	NA	<b>VAPOR PRESSURE:</b>	NA
<b>VAPOR DENSITY (AIR = 1):</b>	NA	<b>PERCENT VOLATILE:</b>	NA
<b>SOLUBILITY IN WATER:</b>	Miscible with water.	<b>PERCENT SOLIDS:</b>	NA
<b>MOLECULAR WEIGHT:</b>	Mixture	<b>VISCOSITY:</b>	NA
<b>SPECIFIC GRAVITY (H2O = 1):</b>	1.05		

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### SECTION 10: STABILITY AND REACTIVITY

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**STABILITY:** Product is stable under normal temperatures conditions.

**CONDITIONS TO AVOID (STABILITY):** Increased temperatures for prolonged periods of time.

**INCOMPATIBILITY (MATERIAL TO AVOID):** NA

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** None

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID (POLYMERIZATION):** Will not polymerize

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### SECTION 11: TOXICOLOGICAL INFORMATION

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**EYE EFFECTS:** Prolonged contact may cause irritation to the eyes.

**SKIN EFFECTS:** Prolonged contact may cause irritation to the skin

Issue Date: 8/17/07

## HARMONY VIOLET CTP DEVELOPER

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**ORAL EFFECTS:** No further toxicological data known.

**INHALATION EFFECTS:** No further toxicological data known.

**OTHER:** No further data known.

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### SECTION 12: ECOLOGICAL INFORMATION

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**ECOTOXICOLOGICAL INFORMATION:** Not expected to be hazardous to the environment..

**MOBILITY:** The product is soluble in water.

**BIOACCUMULATION:** No data available.

**DEGRADABILITY:** No data available.

**ACUTE FISH TOXICITY:** No data available.

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### SECTION 13: DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL METHOD:** Ensure that collection, transport, treatment, and disposal of waste product, containers and rinsate complies with all applicable laws and regulations. Note that use, mixture, processing, or contamination of the product may cause the material to be classified as a hazardous waste. It is the responsibility of the product user or owner to determine at the time of disposal, whether the product is regulated as a hazardous waste.

**WASTE CLASS:** Regulation 2000/532/EC – Chapter Heading: Waste from MFSU of fine chemicals and chemical products not otherwise specified – 090102. Description: Water based offset plate developer solutions

**RCRA HAZARD CLASS:** NA

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### SECTION 14: TRANSPORT INFORMATION

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**TRANSPORT NOTES:** The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA and ADR/RID).

**DOT PROPER SHIPPING NAME:** Not subject to DOT regulations

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### SECTION 15: REGULATORY INFORMATION

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**RISK PHRASES:** R22 Harmful if swallowed  
R35 Causes severe burns

**SAFETY PHRASES:** NC Not classified

#### U.S. FEDERAL REGULATIONS

**SARA 313:** This product contains none of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**CLEAN WATER ACT / OIL POLLUTION ACT:** This product contains none of the chemicals subject to regulation by Section 311 of the Clean Water Act and the Oil Pollution Act. Releases of the product into or leading to surface waters must be reported to the National Response Center at 1-800-424-8802.

**CERCLA REPORTABLE QUANTITY:** Any components listed below have been assigned a reportable quantity (RQ) by the Federal EPA. Release of the product into the environment that exceed the RQ for a particular component must be reported to the National Response Center at 1-800-424-8802.

**COMPONENT:** None

## HARMONY VIOLET CTP DEVELOPER

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**TOXIC SUBSTANCES CONTROL ACT:** The components of this product are listed on the TSCA Inventory.

**OZONE DEPLETING SUBSTANCES:** This product contains no ozone depleting substances as defined by the Clean Air Act.

**HAZARDOUS AIR POLLUTANTS:** Any components listed below are defined by the Federal EPA as hazardous air pollutants.

**COMPONENT:** None

**STATE REGULATIONS:** Check with the appropriate state agency to determine whether regulations exists.

**INTERNATIONAL REGULATIONS**

**EU DIRECTIVES:** Dangerous Substances Directive (67/548/EEC). Dangerous Preparations Directive (1999/45/EC). Safety Data Sheets Directive (91/155/EEC)(As amended).

**STATUTORY INSTRUMENTS:** Chemicals (Hazard Information and Packaging) Regulations.

**APPROVED CODE OF PRACTICE:** Classification and labeling of Substances and Preparations Dangerous for Supply

**GUIDANCE NOTES:** Workplace Exposure Limits EH40. Introduction to local Exhaust Ventilation HS(G)37. CHIP for everyone HSG108)

**INVENTORIES**

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
DIPROPYLENE GLYCOL METHYL ETHER	DSL	YES	EINECS	YES	NO	YES	YES	YES
POTASSIUM HYDROXIDE	DSL	NA	EINECS	YES	YES	YES	YES	YES
EDTA TETRASODIUM SALT	DSL	YES	EINECS	YES	YES	YES	YES	YES
TRIETHANOAMINE	DSL	YES	EINECS	YES	YES	YES	YES	YES

COMPONENT	CAS	CA	FL	MA	MN	NJ	PA	RI
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	NO	YES	YES	NO	YES	YES	YES
POTASSIUM HYDROXIDE	1310-58-3	NO	YES	YES	YES	YES	YES	YES
EDTA TETRASODIUM SALT	64-02-8	NO	NO	NO	NO	NO	NO	NO
TRIETHANOAMINE	102-71-6	NO	YES	YES	YES	NO	YES	YES

### WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHMIS

LABEL(S) FOR SUPPLY



Materials Causing Other Toxic Effects

Issue Date: 8/17/07

## HARMONY VIOLET CTP DEVELOPER

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### SECTION 16: OTHER INFORMATION

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**GENERAL INFORMATION:** Conforms to UK Printing Solvent Substitution Scheme. AIII Class. It is the aim of the scheme to reduce the use of low boiling point organic solvents in the printing industry in accordance with the principles of the Control of Substances Hazardous to Health(COSHH) Regulations 1999 and promote improved control of solvents exposure in line with the guidance given in the booklet COSHH Essentials for Printer's.

<b>ISSUED BY:</b>	Xanté	
<b>DATE OF ISSUE:</b>	8/17/07	International Version
<b>DATE OF LAST REVISION:</b>	7/05/07	US and EU versions

#### DISCLAIMER

The information in this material Safety Data Sheet is based on the present state of our knowledge and on the current EC and National Regulations. The information relates to the specific product designated and may not be valid if it is used in combination with other materials or process. Nothing herein is to be continued as warranty, expressed or implied. It is always the responsibility of the user to take the necessary steps in order to fulfill the demands laid down in the rules and legislation. The product is for industrial use only.