



US Material Safety Data Sheet

EU Safety Data Sheet

MSDS Number: 15 Rev. F	Date: July 11, 2008
Product: VersaPrint™ Green WF inkjet ink	Page 1 of 5

PRINTED: July 24, 2008

Section 1: Identification of the Substance/Preparation and the Company/Undertaking

Product Identifier: Waterfast Green Ink for inkjet printing

Manufacturer: Trident an ITW Company.
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Brookfield, CT 06804-1140

Telephone: 1- 203-740-9333

Fax: 1 - 203-740-3528

Email: <mailto:hg@trident-itw.com>

Emergency: Call CHEMTREC United States 1-800-424-9300/ International 1-703-527-887(collect)

Section 2: Hazards Identification
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EMERGENCY OVERVIEW: Avoid contact with eyes and skin. May cause eye and skin irritation.

HAZARD RATINGS: NFPA Health: 1 Flammability: 1 Reactivity: 0

Product Classification:

US OSHA: Eye and skin irritant, target organ effects

EU Classification (1999/45/EC): Irritant (Xi) R36/38

Potential Health Affects:

Eye Contact: May cause eye Irritation.

Skin Contact: May cause skin irritation

INGESTION: May cause nausea and vomiting. Swallowing large amounts may cause injury.

INHALATION: Mist may cause irritation of upper respiratory tract.

Section 3: Composition/Information on Ingredients
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DESCRIPTION: A green colored liquid ink for ink jet printing.

Components	CAS Number	EINECS Number	Weight %	EU Classification 67/548/EEC
Triethylene glycol	112-27-6	203-953-2	60-80	Xi, R36/38
Diethylene glycol ethyl ether	111-90-0	203-919-7	5-15	Xi, R36
Polyalkylene glycol alkyl ether	Proprietary	Proprietary	10-20	Not classified
Mixed metal complex dyes *	Proprietary	Proprietary	10-15	Not classified
Non-hazardous ingredients	Proprietary	Proprietary	10-30	Not classified

Please refer to Section 16 for the full text of the EU classification and R phrases.

*Trivalent chromium in this chromium complex <3%. Total Cr+3 in ink <0.15%]

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The trivalent chromium listed in this ink is safe when used as intended.

Section 4: Emergency First Aid Measures

INGESTION: Swallowing less than an ounce will not cause significant harm and does not require any emergency treatment. Nothing should be administered orally to a victim who is losing consciousness, unconscious or convulsing. Do not induce vomiting. For larger amounts, give one or two glasses of water to drink to a conscious patient. Seek medical advice.

INHALATION: If exposed to excessive levels of vapor or mist, remove to fresh air. For difficulty breathing, give oxygen. Seek medical attention if cough or other symptoms develop.

EYE CONTACT: Immediately flush eyes with plenty of cool water for 15 minutes retracting the lids. After initial flush, remove contact lenses. Seek medical advice.

SKIN CONTACT: Wash with soap and water. Remove and launder contaminated clothing. **In any case of persistent irritation, seek medical advice.**

Section 5: Fire Fighting Measures

FLASHPOINT AND METHOD: >110°C[230°F] COC

FLAMMABLE LIMITS: None established

AUTOIGNITION TEMPERATURE: None established

EXTINGUISHING MEDIA: Use Carbon dioxide or dry chemical for small fires, alcohol foam, universal foam, or water spray for large fires.

SPECIAL FIRE FIGHTING PROCEDURES:
Dike liquids to prevent run-off to waterways and sewers. Collect and dispose of properly.

UNUSUAL FIRE & EXPLOSION HAZARDS: Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen.

Section 6: Accidental Release Measures
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GENERAL: Wear proper protective equipment. Limit access to the area. Contain and collect for proper disposal. Keep from waterways and sewers. Notify proper authorities.

SPILL: Dike spill. Absorb with inert material and collect for disposal. Flush area with water, ensuring that none of it escapes into the waterways.

Section 7: Handling And Storage

Avoid contact with skin and eyes. Wear appropriate protective equipment. Keep containers closed. Store in a cool [40-120°F(4-49°C)], dry, well-ventilated place.

Section 8: Exposure Controls And Personal Protection
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EXPOSURE LIMITS:

Components	Exposure Limit / Source
Triethylene glycol	1000 mg/m3 inhalable DFG MAK
Diethylene glycol ethyl ether	25 ppm AIHA WEEL 50 mg/m3 inhalable DFG MAK
Polyalkylene glycol alkyl ether	None Established
Mixed metal complex dyes	None Established
Non-hazardous ingredients	None Established

ENGINEERING CONTROLS: Room ventilation should be adequate.

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Section 13: Disposal Considerations

Dispose of according to appropriate local, regional and national laws or regulations. Do not reuse empty containers.

Section 14: Transport Information

GROUND TRANSPORT: Not regulated.
 AIR TRANSPORT: Not regulated
 OCEAN TRANSPORT: Not regulated

Section 15: Regulatory Information (not all inclusive)

UNITED STATES

This product does not contain any ozone depleting substances (ODS), nor were any ODS's used in the manufacture of this product.

CONEG: Raw materials used to make this ink, does not contain mercury, lead, cadmium or hexavalent chromium and none are added during manufacture.

TSCA (Toxic Substances Control Act): All components are in compliance with TSCA.
 OSHA Hazard Classification: Acute health hazard, chronic health hazard.
 SARA [Superfund Amendment and Reauthorization Act] Title III (CERCLA):

Components of this ink regulated under this statute:

----- Trivalent chromium complex	<3%
Copper compounds	<10%
Glycol ethers	<15%

CAAA - This ink contains the following ingredients considered Hazardous Air Pollutants under the Clean Air Act Amendment of 1990:

Diethylene glycol ethyl ether	5-15%
Triethylene Glycol	60-80%

California proposition 65 - Components contained in this ink known to cause cancer, birth defects, or reproductive harm by the State of California: Less than 30 ppm Ethylene glycol monoethyl ether (developmental, male), less than 30 ppm Formaldehyde (cancer) and less than 10 ppm Acetaldehyde (cancer)

California SCMQUAD: This product is estimated to contain no more than 90% VOC as defined by the State of California.

Massachusetts 105CMR670 Right to Know Substance List (MSL): Components that require reporting under this statute are:

Glycol ethers	<15%
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Pennsylvania Right to Know Hazardous Substance List : Components of this product that could require reporting are:

----- trivalent chromium complex	<5%
Triethylene Glycol	60-80%

New Jersey Registration # TRDTINTL-978002

CANADA:

DSL/nDSL: All components are listed.
 WHMIS Classification D 2B

EUROPEAN UNION

EINECS Status: All components are in compliance with European Inventory requirements
 EU Labeling

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Irritant

R36/38 Irritating to eyes and skin.
S24/25 Avoid contact with eyes and skin.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Section 16: Other Information.

REVISION SUMMARY: Revised July 2008 - REACH update, Section 15.

HAZARD RATINGS: NFPA Health: 1 Flammability: 1 Reactivity: 0

EU Classification and Risk Phrases from Section 2

Xi Irritant
R36/38 Irritating to eyes and skin.

The information and recommendations contained in this document are based on data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to this information.

Written by: Trident an ITW company

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