



US Material Safety Data Sheet
EU Safety Data Sheet

MSDS Number: 05 Rev. M	Revision Date: Sept. 26, 2008
Product Name: VersaPrint™ V300 black inkjet ink	Page 1 of 5

Printed: September 26, 2008

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

Product Identifier: VersaPrint™ V300 ink for ink jet printing

Manufacturer: Trident an ITW Company.
1114 Federal Road
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
--

EMERGENCY OVERVIEW: May cause eye and skin irritation. Avoid contact with eyes and skin.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

Product Classification:

US OSHA: Eye and skin irritant

EU Classification (1999/45/EC): Irritant (Xi) R36/38, R52/53

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

Components	CAS Number	EINECS Number	Weight %	EU Classification
Triethylene Glycol	112-27-6	203-953-2	40-70	Xi, R36/38
Butoxytriglycol	143-22-6	205-592-6	< 30	Xi, R36/38
Solvent Black 29**	Proprietary	Proprietary	5-10	N, R51/53
Non-Hazardous Components	Proprietary	Proprietary	< 2.5	Not classified

** trivalent chromium concentration in this complex is 6.6%.

Refer to section 16 for the full text of the EU classification and risk phrases.

MSDS Number: 05 Rev. M	Date: Sept. 26, 2008
Product: VersaPrint™ V300 black inkjet ink	Page 2 of 5

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: >230°F PMCC (est.)

FLAMMABLE LIMITS: Not established

AUTOIGNITION TEMPERATURE: Not established.

EXTINGUISHING MEDIA: Dry chemical, Carbon dioxide, or regular foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and full turn-out gear. Dike liquids to prevent run-off to sewers and waterways. Collect for disposal.

UNUSUAL FIRE & EXPLOSION HAZARDS: Frothing may occur when a solid stream of water or foam is directed into hot burning pools.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon and Nitrogen.

Section 6: Accidental Release Measures

GENERAL Wear appropriate protective clothing and equipment. Ensure disposal is in compliance with local, state and federal requirements.

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

Section 7: Handling And Storage

Avoid contact with skin and eyes. Keep containers closed. Store in a cool [40-120°F (4-49° C)], dry place away from heat and light. Keep from freezing.

Section 8: Exposure Controls & Personal Protection

EXPOSURE LIMITS:

Components	Exposure Limit / Source
Triethylene glycol	1000 mg/m3 inhalable DFG MAK
Butoxytriglycol	None Established
Solvent Black 29	None Established
Non-Hazardous Components	None Established

MSDS Number: 05 Rev. M	Date: Sept. 26, 2008
Product: VersaPrint™ V300 black inkjet ink	Page 3 of 5

ENGINEERING CONTROLS (ventilation): Normal room ventilation. Use local exhaust when application produces mists.

PERSONAL PROTECTION:

EYE PROTECTION: Wear shielded safety glasses. An eye wash should also be available nearby.

SKIN PROTECTION: Wear Gloves to protect skin.

RESPIRATORY: Not required in well ventilated area.

Section 9: Physical & Chemical Properties

APPEARANCE: Black liquid.	FLAMMABLE LIMITS: None established.
FLASHPOINT AND METHOD: >230°F PMCC (est.)	AUTOIGNITION TEMPERATURE: N.E.
VAPOR PRESSURE: <1.0 mm Hg	EVAPORATION RATE(n-butyl acetate = 1): <1.0
SPECIFIC GRAVITY: 1.09 approx.	PERCENT VOLATILES: <90% est.
SOLUBILITY: slightly soluble in water	BOILING POINT: >300°F.
pH= 6-7	VAPOR DENSITY: ~5.5 (est.)
MELTING/FREEZING POINT: <-10°C	VISCOSITY: 50-60 cps

Section 10: Stability & Reactivity

STABILITY: Stable

CONDITIONS TO AVOID: Excessive heat or light

INCOMPATIBILITY: Do not expose to strong alkalis or strong oxidizers.

THERMAL DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur

Section 11: Toxicological Information

ACUTE TOXICITY: COMPONENTS: Triethylene glycol: Oral: LD50(rat) >14.0 g/kg
 Butoxytriglycol Oral: LD50(rat) 5.3 g/kg
 Solvent black 29 Oral: LD50 (rat) >2 g/kg

SUBCHRONIC EFFECTS: This ink has not been tested for subchronic toxicological effects.

CHRONIC EFFECTS/CARCINOGENICITY: This ink has not been tested for chronic effects.

COMPONENTS: Rats fed 4% triethylene glycol in their diet over a period of 2 years showed no effect.

COMPONENTS LISTED AS CARCINOGENS BY REGULATORY AGENCIES:
 OSHA: None Listed IARC: None Listed NTP: None Listed. EU Directive: None Listed

MUTAGENICITY: This ink has not been tested for mutagenic effects.

COMPONENTS: Solvent Black 29 Ames Test - Positive
 Solvent Black 3 Ames Test - Positive
 Hamster and mouse micronucleus - non-mutagenic
 Chinese Hamster V79GHGPRT - non-mutagenic

In a case like this where the Ames test was positive, but all the subsequent mammalian studies were negative, the chemical is not considered a human mutagen.

REPRODUCTIVE EFFECTS: This ink has not been tested for reproductive effects.

Section 12: Ecological Information

ECOTOXICOLOGICAL INFORMATION: The ink is classified as harmful to aquatic organisms with possible long-term effects.

COMPONENTS Triethylene glycol : LC50>100mg/L
 Solvent black 29 May be toxic to daphnia and algae.

CHEMICAL FATE INFORMATION: No data available for the ink

MSDS Number: 05 Rev. M	Date: Sept. 26, 2008
Product: VersaPrint™ V300 black inkjet ink	Page 4 of 5

COMPONENTS: Triethylene glycol ThOD = 1.6 p/p BOD(20 day) = 0.27 p/p
 Note: p/p = units of oxygen needed per unit of material. ThOD is Theoretical Oxygen Demand.
 BOD is Biological Oxygen Demand.

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

UNITED STATES

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

CONEG: Raw materials used to make our inks do not contain mercury, lead, cadmium or hexavalent chromium and none are added during manufacture.

TSCA [Toxic Substances Control Act]: All components are listed in the TSCA inventory.

OSHA Hazard Classification: Acute health hazard.

SARA [Superfund Amendments and Reauthorization Act] 1986 Title III

40CFR355 - Chemicals present requiring emergency planning based on Threshold Planning Quantities (TPQ) and release reporting based on Reportable Quantities (RQ)----
 -NONE

40CFR372 - Chemicals present that require submission of annual reports of release of toxic chemicals that appear in this section of SARA Title III.

--Solvent black 29 trivalent chromium complex 5-10%
 -----Glycol ethers 20-30%

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

Solvent black 29 trivalent chromium complex 5-10%
 Glycol ethers - 20-30%
 Triethylene Glycol 40-70%

STATE REGULATIONS:

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 Formaldehyde (cancer) and less than 10 ppm Acetaldehyde (cancer)

California SCMQAD: As defined by this statute, this ink is estimated to contain <90% VOCs.

Massachusetts 105CMR670 Right to Know (MSL): Glycol ethers - 20-30%

Pennsylvania Right to Know Hazardous Substance list: Components of this ink which could require reporting are:

----Solvent black 29Chromium (+3)complex 5-10%
 Triethylene Glycol 40-70%

New Jersey Registration # TRDTINTL-978005

MSDS Number: 05 Rev. M	Date: Sept. 26, 2008
Product: VersaPrint™ V300 black inkjet ink	Page 5 of 5

CANADA

DSL/nDSL: All components are listed.


WHMIS classification: D2B

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.

EUROPEAN UNION

EINECS Status: All components are in compliance with European Inventory Requirements.

EU Labeling

 <p>Irritant</p>	<p>R36/38 Irritating to eyes and skin. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. 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.</p>
---	---

Section 16: Other Information.

REVISION SUMMARY:

Revised December 2005: Changes to Section 2 and 15

Revised January 2008: Update of all information to current regulations

Revised July 2008: REACH format, Added EINECS numbers, changed EU classification and Section 15.

Revised September 2008: Clarification of % Weight in Section 3.

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

EU Classification and Risk Phrases from Section 2

- N Dangerous for the Environment
- Xi Irritant
- R36/38 Irritating to eyes and skin.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

Contact: Trident an ITW company

Telephone: 1-203-740-9333