



US Material Safety Data Sheet

EU Safety Data Sheet

MSDS Number: 50 Rev. F	Date: July 18, 2008
Product: VersaPrint™ Clear Flushing Solution	Page 1 of 4

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Section 1:	Identification of the Substance/Preparation and the Company/Undertaking
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Product Identifier: VersaPrint™ Clear Flushing Solution

Manufacturer: Trident an ITW Company.
1114 Federal Road
Brookfield, CT 06804-1140

Telephone: 1- 203-740-9333

Fax: 1 - 203-740-3528

Email: <mailto:hq@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 mild cause eye and skin irritation.

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

Product Classification:

US OSHA: Target organ effects

EU Classification (1999/45/EC): Not classified as dangerous

Potential Health Affects:

Eye Contact: May cause mild eye Irritation.

Skin Contact: May cause mild skin irritation

INGESTION: This material is not a serious ingestion hazard but may cause stomach upset if swallowed. Swallowing large amounts may be harmful.

INHALATION: Inhalation of vapors or mists generated at elevated temperatures may be irritating to mucus membranes and the upper respiratory system and may cause dizziness and headache.

Section 3:	Composition/Information on Ingredients
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DESCRIPTION: A clear liquid used for ink jet printing maintenance.

Components	CAS Number	EINECS Number	Weight %	EU Classification 67/548/EEC
Oxyalkylene polymer	Proprietary	Proprietary	90-99	not classified
Diethylene glycol	111-46-6	203-872-2	<6	Xn R22
Ethylene glycol	107-21-1	203-473-3	<2	Xn R22

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

MSDS Number: 50 Rev. F	Date: July 18, 2008
Product: VersaPrint™ Clear Flushing Solution	Page 2 of 4

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 retracting the lids. After initial flush, remove contact lenses. Seek medical advice if irritation persists.

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: 185°C[365°F]PMCC

FLAMMABLE LIMITS: None established

AUTOIGNITION TEMPERATURE: Not available

EXTINGUISHING MEDIA: Use carbon dioxide, dry chemical or alcohol-resistant foam.

SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing equipment to protect against potential toxic and irritating contaminants that may be present in decomposed products. 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, aldehydes.

Section 6: Accidental Release Measures

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

EXPOSURE LIMITS:

Components	Exposure Limit / Source
Oxyalkylene polymer	None Established
Diethylene glycol	10 mg/m3 TWA AIHA WEEL 10 ppm TWA DFG MAK
Ethylene glycol	100 mg/m3 Ceiling ACGIH TLV 10 ppm TWA skin DFG MAK 10 mg/m3 TWA (as mist), 20 ppm TWA (as vapor), 40 ppm STEL (as vapor) UK WEL

ENGINEERING CONTROLS : Room ventilation should be adequate.

MSDS Number: 50 Rev. F	Date: July 18, 2008
Product: VersaPrint™ Clear Flushing Solution	Page 3 of 4

PERSONAL PROTECTION:

RESPIRATORY: None normally needed in well-ventilated areas.
SKIN PROTECTION: If contact likely, wear gloves.

EYE PROTECTION: Wear shielded safety glasses
OTHER: An eye wash station should be available nearby. If contact likely, wear protective clothing to limit skin contact.

Section 9: Physical & Chemical Properties

APPEARANCE: Clear liquid with mild odor.
FLASH POINT: 185°C[365°F]PMCC AUTOIGNITION TEMPERATURE: Not available
FLAMMABLE LIMITS: Not established EVAPORATION RATE: (n-butyl acetate = 1) 0.01
pH: Not available VAPOR PRESSURE: <0.01 hPa @20°C
SPECIFIC GRAVITY: 1.127 VAPOR DENSITY: >7
BOILING POINT: >392°F(200°C) SOLUBILITY in water: 100%
VISCOSITY Not available

Section 10: Stability & Reactivity

STABILITY: Stable
CONDITIONS TO AVOID: Excessive heat
INCOMPATIBILITY: Do not expose to strong oxidizers, acids and bases.
THERMAL DECOMPOSITION PRODUCTS: Oxides of carbon, aldehydes.
HAZARDOUS POLYMERIZATION: Will not occur

Section 11: Toxicological Information

ACUTE TOXICITY: LD50 (oral, rat) >30 g/kg
SUBCHRONIC EFFECTS: No data.
CHRONIC EFFECTS/CARCINOGENICITY: Chronic ingestion of diethylene glycol in rats resulted in kidney injury.

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

MUTAGENICITY: Negative in tests for mutagenicity.
REPRODUCTIVE EFFECTS: Diethylene glycol causes toxic effects to the fetus only at maternally toxic doses. Very high oral doses of diethylene glycol had adverse effects on reproduction in animals.

Section 12: Ecological Information

ECOTOXICOLOGICAL INFORMATION: LC50 >10,000 mg/L/96 hr fish, LC50 >10,000 mg/L/48 hr daphnia
CHEMICAL FATE INFORMATION: Not readily biodegradable

Section 13: Disposal Considerations

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



