Safety Data Sheet		The M&R Companies
M-DTG-WHT-1L		
Version 2.1		
Issue Date Revision Date	: 08/28/2018 : 08/23/2018	Ref. 130000129509
This SDS adheres to the sta other countries.	ndards and regulatory requiren	nents of Canada and may not meet the regulatory requirements in
SECTION 1. PRODUCT AN	D COMPANY IDENTIFICATIO	N
Product name Product Use	: M-DTG-WHT-1L : Printing ink	
Restrictions on use Manufacturer/Supplier	<ul> <li>Do not use product for</li> <li>The M&amp;R Companie</li> <li>440 Medinah Road</li> <li>Roselle, IL 60172, U</li> </ul>	
Emergency Telephone Number	Exposure, or Ac	Materials [or Dangerous Goods] Incident Spill, Leak, Fire, cident Call Chemtrec -Emergency Number(s): canada: +1 (800) 424-9300 Outside US and 3) 741-597
Product hazard catego Specific target repeated expo	t organ toxicity - Categor	y 2
Label content Pictogram	:	
Signal word	: Warning	
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Hazardous warnings		: May cause damage to (Kidney)	o organs through prolonged or repeated exposure.
Hazardous prevention measures		Get medical advice/ a	fume/ gas/ mist/ vapours/ spray. ttention if you feel unwell. container to an approved waste disposal plant.

#### Other hazards

No applicable data available.

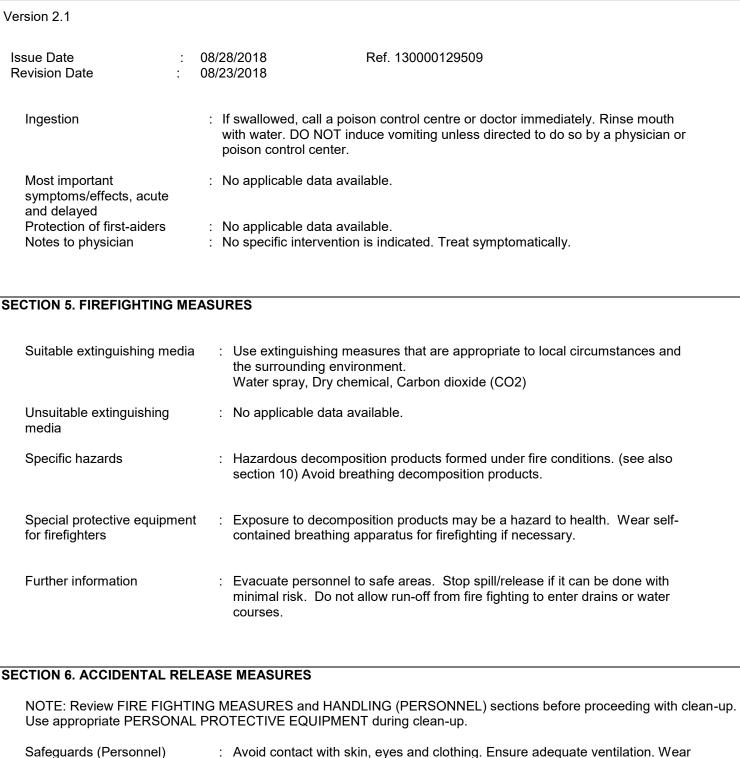
#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration (% w/w)
Ethane-1,2-diol	107-21-1	10 - 30%

The exact percentage (concentration) of composition has been withheld as a trade secret.

#### SECTION 4. FIRST AID MEASURES

General advice	: Never give anything by mouth to an unconscious person. When symptoms persist or in all cases of doubt seek medical advice.
Inhalation	: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If breathing is irregular or stopped, administer artificial respiration. Get medical attention.
Skin contact	: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical advice/ attention.
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Environmental precautions	:	Prevent further leakage or spillage if safe to do so. Prevent product from

suitable protective equipment.

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Spill Cleanup	<ul><li>entering drains. Clean contaminated floors and objects thoroughly while observing environmental regulations.</li><li>Contain spill. Soak up with inert absorbent material. Collect and contain</li></ul>
	contaminated absorbent and dike material for disposal. Keep in suitable, closed containers for disposal. Ventilate the area. Clean contaminated floors and objects thoroughly while observing environmental regulations.
Accidental Release Measures	: Dispose of in accordance with local regulations.
ECTION 7. HANDLING AND ST	ORAGE
Handling (Personnel)	: Avoid inhalation, ingestion and contact with skin and eyes. Do not use in areas without adequate ventilation. For personal protection see section "Exposure controls/personal protection" Handle in accordance with good industrial hygiene and safety practice. Keep container closed. Keep away from food and drink. Wash hands before eating, drinking, or smoking. Remove contaminated clothing and protective equipment before entering eating areas. Wash contaminated clothing before re-use.
Handling (Physical Aspects)	: Normal measures for preventive fire protection.
Dust explosion class Storage	<ul> <li>No applicable data available.</li> <li>Keep containers tightly closed in a cool, well-ventilated place. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Do not reuse empty container. Stable under normal conditions.</li> </ul>
Storage period	: No applicable data available.
Storage temperature	: No applicable data available.
ECTION 8. EXPOSURE CONTR	OLS/PERSONAL PROTECTION
Engineering controls	: Ensure adequate ventilation. Maintain air concentrations below occupational exposure standards. General mechanical ventilation is normally adequate but use local exhaust where necessary to maintain exposures below acceptable limits.

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Personal protective equipment Respiratory protection

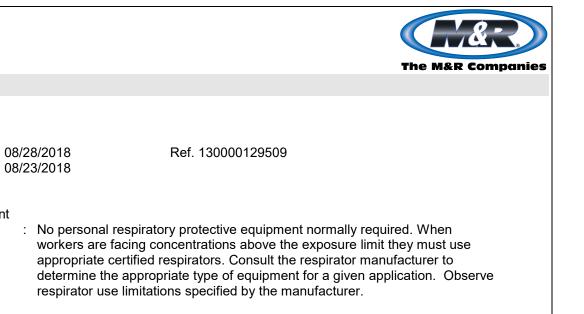
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Hand protection	: Material: Impervious gloves Additional protection: Gloves must be inspected prior to use., Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough., The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other., The exact break through time can be obtained from the protective glove producer and this has to be observed., Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Eye protection	: Wear safety glasses or coverall chemical splash goggles.
Skin and body protection	<ul> <li>Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.</li> <li>Lightweight protective clothing and safety shoes are recommended.</li> </ul>

Exposure Guidelines Exposure Limit Values

Ethane-1,2-diol			
TLV	(ACGIH)	25 ppm	TWA
TLV	(ACGIH)	50 ppm	STEL
TLV	(ACGIH)	10 mg/m3	STEL
AEL *	(DuPont)	10 mg/m3	8 & 12 hr. TWA
AEL *	(DuPont)	50 ppm	8 & 12 hr. TWA

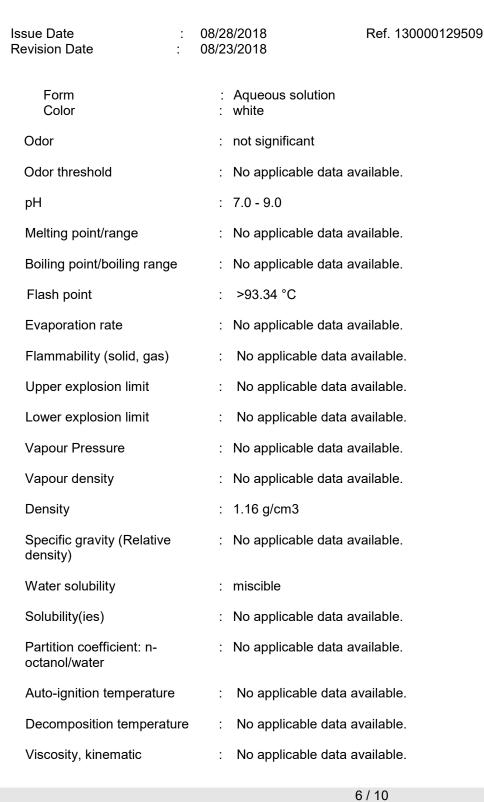
\* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Physical state

: liquid

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Viscosity, dynamic	: No applicable data available.	
ECTION 10. STABILITY AND R	EACTIVITY	
Reactivity	: No dangerous reaction known under conditions of normal use.	
Chemical stability	<ul> <li>The product is chemically stable under recommended conditions of storage, use and temperature.</li> <li>Stable at normal temperatures and storage conditions.</li> </ul>	
Possibility of hazardous	: None reasonably foreseeable.	
reactions Conditions to avoid	<ul> <li>Avoid extreme heat. Stable at normal temperatures and storage conditions.</li> <li>Do not freeze. Do not expose to temperatures above: 93.34 °C (200.01 °F)</li> </ul>	
Incompatible materials	: Acids, bases and strong oxidizing agents	
Hazardous decomposition products	: No decomposition if stored and applied as directed. Under fire conditions:, Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).	
SECTION 11. TOXICOLOGICAL	INFORMATION	
Further information	: No data is available on the product itself.Information given is based on data on the components.	
Ethane-1,2-diol Inhalation	: no data available	
Inhalation Dermal LD50	: :       > 3,500 mg/kg , Mouse	
Oral LD50	: 1,650 mg/kg , Cat	
Skin irritation	: No skin irritation, Rabbit	
Eye irritation	: No eye irritation, Rabbit	
Skin sensitization	: Does not cause skin sensitisation., human	
Repeated dose toxic		
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			Rat
			- Target Organs: Kidney Kidney damage
Carcinogenicity	1	:	Not classifiable as a human carcinogen. Animal testing did not show any carcinogenic effects.
Mutagenicity			Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Reproductive to	oxicity	:	No toxicity to reproduction No effects on or via lactation Animal testing showed no reproductive toxicity.
Teratogenicity		:	Evidence suggests the substance is not a developmental toxin in animals.
Hazardous Product	ts Regulation	(HPF	r this product and/or its ingredients have been determined according to R), Subpart 6, 8.6.1. The classifications may differ from those found to national Agency for Research on Cancer (IARC) Monographs (latest
Material	I.	IARC	;
Titanium dioxide	э 2	2B	
SECTION 12. ECOLOGICA	L INFORMAT	ΓΙΟΝ	I
Aquatic Toxicity Ethane-1,2-diol			
96 h LC50		:	Pimephales promelas (fathead minnow) 72,860 mg/l
96 h ErC50		:	Pseudokirchneriella subcapitata (green algae) 6,500 mg/l
48 h EC50		:	Daphnia magna (Water flea) > 100 mg/I_OECD Test Guideline 202
Environmental Fate			
Ethane-1,2-diol Biodegradabilit	N/		Readily biodegradable. 90 - 100 % OECD Test Guideline 301
Diodegradabilit	у	·	8 / 10

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Bioaccumulation	: Bioaccumulation is unlikely.
Additional ecological information	n : No data is available on the product itself. Information given is based on data on the components.
SECTION 13. DISPOSAL CONSIDE	RATIONS
Waste disposal methods - Product	: If recycling is not practicable, dispose of in compliance with local regulations. Never place unused product down any indoor or out door drain.
Waste disposal methods - Container	<ul> <li>Do not reuse empty container. Contaminated/not cleaned containers should be treated/handled like product waste.</li> <li>Dispose of container properly.</li> <li>Refer to applicable Local, State/Provincial, and Federal Regulations, as well as industry Standards.</li> </ul>
Contaminated packaging	: No applicable data available.
SECTION 14. TRANSPORT INFORI	MATION
SECTION 15. REGULATORY INFO	RMATION
DSL	: One or more components of this product are not listed on the Domestic Substances List (DSL).
SECTION 16. OTHER INFORMATIC	DN
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