



Product Name:
WITE-OUT® Water Base Correction Fluid
WITE-OUT® Ecolutions Water Base
Correction Fluid

MATERIAL SAFETY DATA SHEET

Date Prepared:
March 22, 2010 Version 4

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION	
Product Name:	WITE-OUT® Water Base Correction Fluid WITE-OUT® Ecolutions Water Base Correction Fluid
Synonyms:	None
Product Use:	Correction fluid
Manufacturer/ Vendor Information:	Manufactured for/Distributed by: BIC Corporation One BIC Way, Suite 1 Shelton, CT 06484 USA (203) 783-2000 Emergency Telephone Number: (203) 783-2412 Supplier Information: BIC Inc. 155 Oakdale Road Downsview, Ontario M3N 1W2 CANADA (416) 742-9173 x288 (Business hours)
MSDS Contact:	Product Safety
Telephone number:	(203) 783-2124

SECTION 2 - COMPOSITION/ INFORMATION ON INGREDIENTS			
Substance or Preparation:			
CAS No.	Chemical Name	ACGIH (TLV) and OSHA (PEL) and NIOSH (REL) Exposure Limits	% by Weight
79-10-7	Acrylic acid	TLV-TWA: 2 ppm NIOSH REL: TWA 2 ppm (6 mg/m ³) [skin]	1-5
107-21-1	Ethylene glycol	100 mg/m ³ (CEILING)	1-5
1317-65-3	Limestone	PEL: TWA: 15 mg/m ³ (dust) PEL: TWA: 15 mg/m ³ (respirable) NIOSH REL: TWA 10 mg/m ³ (total); TWA 5 mg/m ³ (resp)	10-30
13463-67-7	Titanium dioxide	TLV-TWA: 10 mg/m ³ PEL: TWA: 15 mg/m ³	30-60

TLV = Threshold Limit Value, PEL = Permissible Exposure Limit, TWA= Time-Weighted Average,
REL = Recommended Exposure Limit

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SECTION 3 - HAZARDS IDENTIFICATION

Most Important Hazards:	Mild eye irritation may occur if product comes in contact with eyes. May be harmful if swallowed. May be a skin sensitizer to sensitive individuals upon repeated or prolonged contact. Inhalation of mists of this material may cause respiratory tract irritation.
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For more information refer to Section 11 of this MSDS

SECTION 4 - FIRST-AID MEASURES

Eyes:	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, or until the chemical is removed, while holding the eyelid(s) open. Obtain medical advice immediately.
Skin:	If irritation does occur, wash skin with soap and warm water to remove product. Flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed and seek medical advice.
Inhalation:	If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.
Ingestion:	Consult a physician IMMEDIATELY.

SECTION 5: FIRE-FIGHTING MEASURES

Flash point:	>110°C (>230°F) (Pensky Martens Closed cup ASTM D-93)
Flammable Limits in Air Lower (LFL): Upper (UFL):	Not Applicable Not Applicable
Conditions of Flammability	Not Applicable. Water-based product will not support combustion.
Extinguishing Media:	Use appropriate extinguishing media for surrounding fire (e.g. CO ₂ , Foam, Dry Chemical)
Special Firefighting Procedures:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Hazardous Combustion Products:	Carbon monoxide, carbon dioxide, reactive hydrocarbons, carbonyl compounds, ammonia, nitrogen oxides, smoke, and irritating vapours may be produced on decomposition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear appropriate personal protective equipment for your use. Ventilate area. In case of large spills, wear self-contained breathing apparatus.
Environmental Precautions:	Avoid contaminating sewers, streams, rivers and other watercourses with spilled material. Use an inert absorbent material to absorb spill and dispose of properly.

SECTION 7: HANDLING AND STORAGE

Handling	
Precautions for Safety Handling:	Wear appropriate personal protective equipment for your use. Avoid contact with skin and eyes. Wash thoroughly after handling this product. Avoid inhalation of product.
Storage	Store in cool, dry, well-ventilated area. Store away from incompatible and reactive materials (See Sections 5 and 10). Store and transport in closed container. Avoid heat and fire as excessive heat may cause the container to rupture. Keep away from children.

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SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION	
The selection of personal protective equipment varies, depending upon the conditions of use. Use equipment appropriate to your particular use pattern.	
Engineering Measures:	For normal application, special ventilation is not necessary. If handling in bulk use mechanical ventilation.
Eye Protection:	Not required except when handling bulk. If handling in bulk wear chemical safety goggles.
Hand Protection:	None necessary under normal conditions. Chemical resistant gloves when handling bulk.
Skin and Body Protection:	Wear appropriate clothing to avoid prolonged or repeated skin contact.
Respiratory Protection:	None necessary under normal use conditions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
Appearance & Physical State:	Free flowing liquid
Melting Point:	-5°C (23°F)
Boiling Point:	100°C (212°F)
Decomposition Temperature:	Not Available
Auto-ignition Temperature:	Not Available
Explosion Properties- Sensitivity to Mechanical Impact:	Not Available
Sensitivity to Static Discharge:	Not Available
Density/Specific Gravity:	1.64 (Water =1)
Odor/Odor Threshold:	Ammoniacal odor / Not Available
Evaporation Rate:	0.22 (Butyl Acetate=1)
pH:	7-9 (of product as supplied)
Octanol/ Water Partition Coefficient	Not Available
Vapour Pressure:	26.8 mmHg @ 77°F
Vapour Density:	Not Available
Solubility in Water:	0.37g/100 mL @ 20°C

SECTION 10: STABILITY AND REACTIVITY	
Stability:	Stable
Conditions to avoid:	Avoid heat sources, sparks or flames.
Materials to avoid:	Avoid strong oxidizing agents, strong acids and strong bases.
Hazardous Decomposition Products:	Toxic fumes or gases such as carbon monoxide, carbon dioxide and reactive hydrocarbons. Specific decomposition products are not available.
Hazardous Polymerization:	Not expected to undergo hazardous polymerization.

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SECTION 11: TOXICOLOGICAL INFORMATION			
Routes of Entry:	Skin contact, Inhalation, Eye contact, Skin Absorption, Ingestion		
Acute Toxicity			
<i>Product data:</i>			
<u>Route & Species</u>	<u>Value</u>		
Oral; rat LD ₅₀	>15 g/kg		
<i>Ingredient data:</i>			
<u>Chemical</u>	<u>CAS#</u>	<u>Route & Species</u>	<u>Value</u>
Ethylene glycol	107-21-1	Dermal; rabbit, LD ₅₀ Inhalation; rat, LC ₅₀	9530 mg/kg >2725 mg/m ³ /4H (aerosol)
Titanium dioxide	13463-67-7	Dermal; rabbit, LD ₅₀	>10 000 mg/kg
Eye Irritation:	Classified as a mild eye irritant based on the results of an <i>in-vitro</i> test procedure.		
Skin Irritation:	Not anticipated to be a primary skin irritant based on the results of a human skin patch test and an <i>in-vitro</i> test.		
Skin Sensitization:	Evidence has shown that pure ethylene glycol may, in a small proportion of the population (<1%), cause skin sensitization upon repeated contact.		
Respiratory Tract Sensitization:	This product is not known to contain any components at >= 0.1% that have been shown to cause respiratory tract sensitization. Therefore, based upon the available data and the known hazards of the components, this product is not expected to be a respiratory tract sensitizer.		
Ingestion	Ingestion of a large amount of this product may cause abdominal discomfort, Central Nervous System effects, cardiac effects and pulmonary edema due to the presence of Ethylene Glycol. Severe kidney damage may occur following ingestion of large amounts of ethylene glycol.		
Chronic Toxicity			
Carcinogenicity:	Based on the known hazards of the components, the product is not expected to pose a carcinogenicity risk.		
Mutagenicity:	This product is not known to contain any components at >= 0.1% that have been shown to cause Mutagenicity. Therefore, based upon the available data and the known hazards of the components, this product is not expected to be a mutagen.		
Reproductive Toxicity:	This product is not known to contain any components at >= 0.1% that have been shown to cause reproductive toxicity. Therefore, based upon the available data and the known hazards of the components, this product is not expected to be a reproductive toxin.		
Teratogenicity/Embryotoxicity	This product is not expected to cause teratogenicity in animal studies at non-maternally-toxic doses, based on known information about the components.		
Other Chronic Effects:	This product is not known to contain any components at >= 1.0% that have been shown to cause other Chronic toxic effects. Therefore, based upon the available data and the known hazards of the components, contact with this product is not expected to cause other chronic toxic effects.		
Toxicologically Synergistic Materials:	Not Available		

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SECTION 12: ECOLOGICAL INFORMATION

Mobility:	Not Available
Persistence/ Degradability:	Not Available
Bioaccumulation:	Not Available
Ecotoxicity:	Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method:	In accordance with local, provincial, federal, or territorial guidelines and regulations.
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SECTION 14 - TRANSPORT INFORMATION

	Shipping name	UN Number	Hazard Class	PG
TDG (Canada):	Not Regulated	-	-	-

SECTION 15 - REGULATORY INFORMATION

Canada: This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations*.

WHMIS Classification:

Not controlled

OSHA Classification: (OSHA Hazard Communication Standard (29 CFR §1910.1200))

Non hazardous

	Hazard Ratings	
	NPCA/HMIS	NFPA 704
Health:	1	1
Flammability:	1	1
Reactivity:	0	0

All the ingredients in the product are listed on the TSCA inventory. This product requires no labelling as per the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). None of the ingredients in this product are Class I or Class II ozone depletors. None of the ingredients in this product are listed as an Extremely Hazardous Substance under the RCRA, SARA 302/313, Clean Air Act, and Clean Water Act.

Regulated under SARA 311/312 Acute: no Chronic: no Fire: no

SECTION 16 - OTHER INFORMATION

Disclaimer: The information given is based on data currently available to us and is believed to be correct. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. No responsibility is assumed for injury or damage from the use of the products described herein.