105110

Product Name: WITE-OUT® Brand Correction Fluids (Super Smooth, Extra Coverage, and Quick Dry)

MATERIAL SAFETY DATA SHEET

Date Prepared:
January 18, 2010 Version 4

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION	
Product Name:	WITE-OUT® Brand Correction Fluids (Super Smooth, Extra Coverage, and Quick Dry)
Synonyms:	Different Products: 1- Quick Dry WQ5- White 2- Quick Dry WQ5- Buff 3- Extra Coverage WE4 4- Super Smooth WS4
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) Exposure Limits	% by Weight
13463-67-7	Titanium dioxide	TLV-TWA: 10 mg/m^3 PEL: TWA: 15 mg/m^3	30-60%
64741-66-8	Naphtha (petroleum), light alkylate	Not applicable	Products 1-2: 7-13% Products 3-4: 15-40%
64742-49-0	Naphtha, petroleum, hydrotreated light	TLV-TWA: 400 ppm TLV-STEL: 500 ppm (Recommended based on a similar product – Heptane)	Products 1-3: 15-40% Product 4: 7-13%

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

SECTION 3 - HAZARDS IDENTIFICATION	
Most Important Hazards:	**HIGHLY FLAMMABLE LIQUID** Deliberately concentrating and inhaling this product can lead to Central Nervous System (CNS) effects, unconsciousness and/or death. Aspiration hazard if swallowed. Product may be irritating if inhaled accidentally.
For more information refer to Section 11 of this MSDS	

SECTION 4 - FIRST-AID MEASURES	
Eyes:	Quickly and gently blot or brush away chemical. Flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the chemical is removed. If irritation occurs, obtain medical advice.
Skin:	If irritation does occur, flush with lukewarm gently flowing water for 5 minutes or until chemical is removed. As quickly as possible, remove contaminated clothing, shoes, and leather goods (e.g. watchbands, belts) as the product is highly flammable.
Inhalation:	If breathing has stopped, trained personnel should begin artificial respiration (AR) or, if the heart has stopped, cardiopulmonary resuscitation (CPR) immediately. Immediately transport victim to an emergency care facility.
Ingestion:	DO NOT INDUCE VOMITING. Aspiration hazard if swallowed. Have victim drink 240-300 mL (8-10 oz) of water to dilute material in stomach. NEVER give anything by mouth to someone who is unconscious or rapidly losing consciousness. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration and repeat administration of water. Quickly transport victim to an emergency care facility.

SECTION 5: FIRE-FIGHTING MEASURES	
Flash point:	WQ5: -10°C (14°F) (ASTM D3828-05) WE4: -5°C (23°F) WS4: 0.9°C (33.6°F)
Conditions of flammability:	HIGHLY FLAMMABLE. Can release vapors that form flammable mixtures at or above the flash point.
Flammable Limits in Air Lower (LFL): Upper (UFL):	1.7% by volume 12.3 % by volume
Extinguishing Media:	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, smoke and irritating vapours may be formed on combustion.

SECTION 6: ACCIDENTAL RELEASE MEASURES	
Personal Precautions:	Highly flammable liquid. 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 absorb with inert absorbent material (do not use flammable materials like cloth or paper) and dispose of properly.

SECTION 7: HANDLING AND STORAGE	
Handling	
Precautions for Safety Handling:	Highly flammable liquid. Wear appropriate personal protective equipment for your use. Avoid contact with eyes and skin. Wash thoroughly after handling this product. Avoid contact with heat, and sources of ignition..

Storage	Store in cool, dry, well-ventilated area. Store away from incompatible and reactive materials (See Sections 5 and 10). Keep container tightly closed. Store away from heat and sources of ignition.

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 explosion-proof 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. Respirator with organic vapour cartridge when handling in bulk.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
Appearance & Physical State:	Free flowing liquid
Melting Point:	-22.2 to -13.3°C (-8 to +8°F)
Boiling Point:	95.6-113.9°C (204-237°F)
Decomposition Temperature:	Not Available
Auto-ignition Temperature:	~246.1°C (approximate based on petroleum solvent)
Explosion Properties- Sensitivity to Mechanical Impact: Sensitivity to Static Discharge:	Not Available Not Available
Density/Specific Gravity:	1.25 (Water =1)
Odour/Odour Threshold:	Petroleum solvent odour/ Not Available
Evaporation Rate:	0.89-1.08 (Butyl Acetate=1)
pH:	Not Available
Octanol/ Water Partition Coefficient	Not Available
Vapour Pressure:	26-49 mmHg at 20°C
Vapour Density:	3.4-4.0 (estimated) (air =1)
Solubility in Water:	0.1g/L at 20°C

SECTION 10: STABILITY AND REACTIVITY	
Stability:	Stable
Conditions to avoid:	Avoid heat sources, sparks or flames and static discharge.
Materials to avoid:	Avoid strong oxidizing or reducing 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.

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Entry:	Skin contact, Inhalation, Eye contact, Skin Absorption, Ingestion

Acute Toxicity

Product data:

Route & Species	Value
Oral; rat, LD_{50}	>15 g/kg
Inhalation; rat LC_{50}	90-169.4 mg/L/1H

Ingredient data:

Chemical	CAS#	Route & Species	Value
Methylcyclohexane	108-87-2	Dermal; rabbit, LD_{50}	>86 700 mg/kg
Titanium dioxide	13463-67-7	Dermal; rabbit, LD_{50}	>10 000 mg/kg
Naphtha (petroleum), light alkylate	64741-66-8	Dermal; rabbit, LD_{50}	>2000 mg/kg
Naphtha petroleum, hydrotreated light	64742-49-0	Dermal; rabbit, LD_{50}	>3160 mg/kg

Eye Irritation:	Not expected to be an eye irritant based on the results of an *in vitro* ocular tolerance test.
Skin Irritation:	Not expected to be a primary skin irritant based on the results of an *in-vivo* human skin patch test.
Skin Sensitization:	Contact with this product is not expected to cause skin sensitization, based upon the available data and the known hazards of the components.
Respiratory Tract Sensitization:	Contact with this product is not expected to cause respiratory tract sensitization, based upon the available data and the known hazards of the components.

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 known to contain any components at >= 0.1% that have been shown to cause teratogenicity and/or embryotoxicity. Therefore, based upon the available data and the known hazards of the components, this product is not expected to be a teratogen/embryotoxin.
Other Chronic Effects:	Repeated and chronic product abuse such as deliberately concentrating and inhaling this product can result in adverse effects to the CNS such as drowsiness, dizziness and potentially serious long-term health effects.
Toxicologically Synergistic Materials:	Not Available.

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/territorial or federal guidelines and regulations

SECTION 14 - TRANSPORT INFORMATION				
	Shipping name	UN Number	Hazard Class	PG
DOT (US)	**Packaged for Retail Sale:** For domestic transport by road, rail and cargo: Consumer Commodity Proper Shipping Name: Consumer Commodity Class: ORM-D For International transport by cargo vessel, road, rail and air: Proper shipping name: **Coating Solution** For Domestic transport by Air (passenger & cargo-only aircrafts) and for transport by road domestically, when in association with such aircraft transport: Proper Shipping Name: **Consumer Commodity** **Bulk Shipments:** For Domestic and International transport by cargo vessel road and rail: Proper Shipping Name: **Coating Solution**	**1139** **ID8000** **1139**	**3** **9** **3**	**II** **II**
TDG (Canada):	**COATING SOLUTION**	1139	3	II

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:

B2: Flammable Material

WHMIS Symbols for Labelling Purposes:

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

	Hazard Ratings	
	NPCA/HMIS	NFPA 704
Health:	1	1
Flammability:	3	3
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.

Dear Valued Customer:

Thank you for your inquiry concerning a Material Safety Data Sheet (MSDS) for BIC products.

The U.S. Occupational Safety and Health Administration (OSHA) has established regulations regarding hazardous chemical communications (29 CFR 1910.1200 et seq.). The stated purpose of these regulations is to ensure that the hazards of certain chemicals are evaluated and that this information is communicated to employers and employees.

OSHA regulations provide for transmittal of hazardous chemical information by various means, including the preparation and maintenance of an MSDS for each hazardous chemical. A hazardous chemical is defined as any chemical, which is a physical or health hazard.

BIC writing instruments, lighters, shavers and correction products are "consumer products," as defined by the Consumer Product Safety Act (15 U.S.C.A. 2051, et seq.), and not hazardous chemicals. As such, BIC products are exempt from MSDS requirements when they are manufactured, used or distributed pursuant to OSHA guidelines (see 29 CFR 1910.1200(b), (c) and (g)). As a result, an MSDS is not required for consumer products such as BIC writing instruments, lighters, shavers, and correction products.

Should you have any questions or comments regarding this information, please do not hesitate to contact me.

Very truly yours,

BIC CORPORATION

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Manager of Safety and Health Services

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