

**MATERIAL SAFETY DATA SHEET**

# 245910

**MSDS #: 5736**

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2711 Washington Boulevard  
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Phone: 708-547-6650 or 800-323-0749

**Emergency Medical Number: 888-786-0972****Creation Date:** October 1, 2003**Section One: Product Information**

Product Name: Dry Erase Inks  
Formula: Trade Secret  
Colors: Black, Red, Blue, Green, Yellow, Orange, Brown, Purple

**Section Two: Ingredients**

Ingredients	CAS Number	% by Weight	PEL/TLV
Methyl Isobutyl Ketone	108-10-1	45 - 60	50 ppm TWA
n-Butyl Acetate	123-86-4	20 - 30	150 ppm TWA
Release Agents	N/A	5 - 10	N/A
Vinyl Resin	N/A	2 - 5	N/A
Pigments	N/A	2 - 5	N/A
Additives	N/A	2 - 5	N/A
**Black Color Contains Carbon			
Black** See IARC Info Below			

**Section Three: Hazards Identification****Routes of Entry:**

By Inhalation: Excessive inhalation can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, and possible unconsciousness.

Skin: Prolonged contact can cause moderate irritation

Eye: Can cause severe irritation, redness, tearing, blurred vision.

By Ingestion: Can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

**Section Four: First Aid Measures**

Inhalation: Remove to fresh air. Get medical attention if symptoms persist.

Skin Contact: Wash with soap and water. Launder contaminated clothing before reuse.

Eye Contact: Flush with water for at least fifteen (15) minutes. Get medical attention.

Ingestion: Do not induce vomiting. Get medical attention.

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**Section Five: Fire Fighting Measures**

Flash Point: 83F (CC)

Flammability Limits (% by volume): Lower: 1.4% (mibk) Upper: 7.5% (mibk)

Extinguishing Media: Alcohol foam, water fog, carbon dioxide, or dry chemical

Special Fire Fighting Measures: Wear self-contained breathing apparatus with a full face piece operated in a positive pressure mode.

Unusual Fire and Explosion Hazards: Heavier than air vapors

**Section Six: Accidental Release Measures**

Eliminate all ignition sources. Stop spill at source and prevent the material from entering drains, sewers, streams, or other bodies of water. Soak up with absorbent material and transfer to proper container for disposal, using appropriate personal protective equipment.

**Section Seven: Handling and Storage**

Handling: No special handling requirements.

Storage: No special storage requirements.

Other Precautions: None

**Section Eight: Exposure Controls and Personal Protection**

Eye Protection: OSHA approved goggles for splash protection

Protective Clothing: Impervious clothing and gloves to prevent prolonged skin contact.

Respiratory Protection: If TLV's are exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised.

Ventilation: General or local to maintain exposures below recommended TLV's.

**Section Nine: Physical and Chemical Properties**

Boiling Point: 235 (mibk)

Specific Gravity: 0.84 - 0.87

Vapor Pressure: Not determined

Solubility in Water: Negligible

Evaporation Rate: 1.0 - 1.6

Appearance; Odor: Colored liquid; ketone odor

pH: Not applicable

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**Section Ten: Stability and Reactivity**

Stability: Stable  
 Conditions to Avoid: None known  
 Chemical Incompatibility: Strong oxidizers  
 Hazardous Decomposition: None known  
 Hazardous Polymerization: Will not occur

**Section Eleven: Toxicological Information**

IARC Monographs: No \*\*Carbon Black is listed as a possible carcinogen to humans - IARC Group 2B  
 National Toxicology Program: No  
 OSHA Regulated: No

**Section Twelve: Ecological Information**

Not available

**Section Thirteen: Disposal Considerations**

Dispose in accordance with Federal, State, and Local Regulations

**Section Fourteen: Transport Information**

Printing Ink, 3, UN1210, PGI

**Section Fifteen: Regulatory Information**

TSCA INVENTORY:

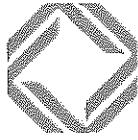
The product on this Material Safety Data Sheet is not listed on the United States Environmental Protection Agency Toxic Substances Control Act Inventory. However, the components of the product are included in the TSCA Inventory.

**Section Sixteen: Other Information**

HMIS Code	
Health	2
Flammability	3
Reactivity	0
Personal Protection	H

The product, which contains the ink above, meets the requirements of the Federal Substances Labeling Act Exemption for pens and markers because it is a porous-tip ink-marking device constructed so that a) the ink is held within an absorbent material that no free liquid is within the device, b) under reasonably foreseeable conditions of manipulation and use the ink will emerge only through the porous writing nib, and c) the device has a capacity of not more than 10 g of ink which has a single dose oral LD50 of not less than 2.5 g/kg of body weight of the test animal. The information on this MSDS refers to the inks used in pens or markers and the handling of these inks in bulk. This MSDS is provided for the purpose of disclosing Product Hazards and does not constitute Product Specification. All warranties, either expressed or implied, are hereby disclaimed.

0=Minimal / 4 = Severe



**Corporate  
Express®**

A Buhrmann Company

# 24590

**The following Corporate Express product numbers are related to the attached msds:**

SAN83008	1121033	MRKR, DRY ERS, BRD, PE
SAN89003	1145366	MRKR, EXPO, ULTRA, BE
SAN83056	1830569	MRKR, DRY ERASE, ORGANIZER, 6/SET
SAN84003	1840031	MRKR, EXPO, DRY ERASE, FINE, BLUE, EACH
SAN87004	1950308	MRKR, EXPO, 2, ULTRA, FN, GN
SAN81501	1120899	ERASER, MAGNETIC, BRD
SAN81002	1144864	MRKR, DRY ERASE, JUMBO, RED MFG DISC 2/9/04
SAN89002	1121130	MRKR, EXPO, XFN, RD MFG DISC 2/9/04
SAN89001	1121115	MRKR, EXPO, XFN, BK
SAN88078	1880786	MRKR, EXPO, DRY ERASE, BULLET TIP, ASSORTED, 8/SET
SAN88074	1880746	MRKR, EXPO, DRY ERASE, BULLET TIP, ASSORTED, 4/SET
SAN88004	1880047	MRKR, EXPO, DRY ERS, BLT, GN
SAN88003	1880037	MRKR, EXPO, DRY ERASE, BULLET TIP, BLUE, EACH
SAN88002	1880029	MRKR, EXPO, DRY ERASE, BULLET TIP, RED, EACH
SAN89074	1121162	MRKR, EXPO, EXTRA FINE, ASSORTED, 4/SET
SAN80002	1933888	MRKR, DRY ERASE, CHISEL TIP, RED, EACH
SAN80001	1933871	MRKR, DRY ERASE, CHISEL TIP, BLACK, EACH
SAN80054	3031405	MRKR KT, DRY ERASE, 8CHISEL/4FINE POINT, KIT
SAN80074	1933912	MRKR, DRY ERASE, CHISEL TIP, ASSORTED, 4/SET
SAN80078	1950274	MRKR, DRY ERASE, CHISEL TIP, ASSORTED, 8/SET
SAN80004	1933903	MRKR, DRY ERASE, CHISEL TIP, GREEN, EACH
SAN80556	3077911	MRKR, EXPO 2, ORGNZ, EACH
SAN81001	1120875	MRKR, DRY ERASE, JUMBO, BLACK MFG DISC 2/9/04
SAN84002	1840021	MRKR, EXPO, DRY ERASE, FINE, RED, EACH
SAN80003	1933895	MRKR, DRY ERASE, CHISEL TIP, BLUE, EACH
SAN83006	1121018	MRKR, DRY ERS, BRD, OR
SAN89004	1121155	MRKR, EXPO, ULTRA, GN
SAN87074	1933963	MRKR, DRY ERS, XFN, 4ST
SAN84001	1840012	MRKR, EXPO, DRY ERASE, FINE, BLACK, EACH
SAN81003	1120882	MRKR, DRY ERASE, JUMBO, BLUE, MFG DISC 2/9/04
SAN82004	1120998	MRKR, EXPO, 2, BLT, GN
SAN83002	1830024	MRKR, EXPO, DRY ERASE, BROAD TIP, RED, EACH
SAN83003	1830032	MRKR, EXPO, DRY ERASE, BROAD TIP, BLUE, EACH
SAN82003	1120981	MRKR, DRY ERS, BLT, BE
SAN83007	1121027	MRKR, DRY ERS, BRD, BN
SAN83054	1830547	MRKR, DRY ERASE, ACCESSORY, KIT
SAN83074	1830741	MRKR, EXPO, DRY ERASE, ASSORTED, 4/SET
SAN83078	1830781	MRKR, EXPO, DRY ERASE, ASSORTED, 8/SET
SAN83153	2780177	MRKR KT, DRY ERASE
SAN82001	1120967	MRKR, DRY ERS, BLT, BK
SAN83004	1830042	MRKR, EXPO, DRY ERASE, CHISEL TIP, GREEN, EACH
SAN86074	1933943	MRKR, DRY ERASE, FINE, 4/SET
SAN87003	1950298	MRKR, EXPO, 2, ULTRA, FN, BE
SAN87002	1950281	MRKR, EXPO, 2, ULTRA, FN, RD
SAN82002	1120974	MRKR, DRY ERS, BLT, RD
SAN87001	1933956	MRKR, DRY ERS, XFN, BK
SAN83001	1830015	MRKR, EXPO, DRY ERASE, CHISEL TIP, BLACK, EACH
SAN86004	1989489	MRKR, EXPO, 2, FNE, GN
SAN86003	1989472	MRKR, EXPO, 2, FNE, BE
SAN86002	1933939	MRKR, DRY ERS, FN, RD
SAN86001	1933921	MRKR, DRY ERS, FN, BK
SAN84074	1840740	MRKR, EXPO, DRY ERASE, FINE, ASSORTED, 4/SET
SAN84004	1840041	MRKR, EXPO, DRY ERS, FN, GN, EACH
SAN88001	1880010	MRKR, EXPO, DRY ERASE, BULLET TIP, BLACK, EACH
SAN83005	1121009	MRKR, DRY ERS, BRD, YW
SAN82074	1820742	MRKR, EXPO, DRY ERASE, ASSORTED, 4/SET