Printing date 01/06/2005

Reviewed on 01/05/2005

1 Identification of substance

- · Product details
- · Trade name: FD Ink Blue
- · Article number: IF-D48, IF-D4PT, IF-D4QT, IF-D4GL
- · Application of the substance / the preparation Printing inks
- · Manufacturer/Supplier:

Universal Stenciling & Marking Systems, Inc. 205 15th Avenue South East St. Petersburg, FL 33701

Telephone (727) 894-3027

USA

- · Information department: MSDS DEPT.
- · Emergency information: Chemtrec 800-424-9300 International 703-527-3887

2 Composition/Data on components

- · Chemical characterization
- Description: Mixture of the substances listed below with nonhazardous additions.

· Hazardous components					
1330-20-7	xylene	<u>•••</u>	74.369%		
100-41-4	ethylbenzene	Xn, 🔥 F; R 11-20	16.425%		
	Phenolic polymer	R 18	6.474%		
14233-37-5	Anthraquinone Dye	Xi; R 36/37/38	1.9%		
108-88-3		Xn, Kr. 7 F; R 11-38-48/20-63-65-67	0.456%		
98-54-4	4-tert-butylphenol	Xi; R 36/37/38	0.27%		

· Additional information:

For the wording of the listed risk phrases refer to section 16.

This product contains one or more Hazardous Air Pollutants (HAPS) which are regulated under Section 112 of the Clean Air Act.

This product contains one or more reported or suspect carcinogens which are noted IARC, NTP, OSHA, ACGIH, OR NIOSH respectively

This product contains one or more reported or suspect mutagens

3 Hazards identification

· Hazard description:



Xn Harmful

· Information pertaining to particular dangers for man and environment:

The product has to be labelled due to the calculation procedure of international guidelines.

R 10 Flammable.

R 20/21 Harmful by inhalation and in contact with skin.

R 38 Irritating to skin.

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· Inhalation

Can cause nasal and respiratory tract irritation. Can cause Central Nervous System effects including fatigue, dizziness, nausea, vomiting, unconsciousness, respiratory failure, headache, possible hearing impairment.

· Potential Chronic Health Effects

Prolonged or repeated exposure of vapors, spray, or material may cause diseases of the lungs. Reports have associated repeated overexposure to solvents with brain and nervous system damage. Intentional misuse of this product may be harmful or fatal.

· Target Organs

Overexposure to this material or its components has been suggested as a cause of the following effects in laboratory animals and/or humans, and may aggravate preexisting disorders of these organs in humans: Anemia, Blood disorders, Brain damage, Cardiac function, eye, liver, lung, menstrual and fertility, skin, respiratory, Central Nervous System

· Classification system:

The classification was made according to the latest editions of international substances lists and from component data and msds information

· NFPA ratings (scale 0 - 4)



· HMIS-ratings (scale 0 - 4)



4 First aid measures

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Take affected persons out into the fresh air.

Involve doctor immediately.

· After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:

Rinse opened eye for fifteen minutes under running water. If irritation persists, consult a doctor.

- · After swallowing: Do not induce vomiting; immediately call for medical help.
- · Information for doctor:
- · The following symptoms may occur:

Breathing difficulty

Headache

Dizziness

Thirst

Cramp

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Gastric or intestinal disorders Coughing Allergic reactions Nausea

5 Fire fighting measures

· Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

ABC powder

· Special hazards caused by the material, its products of combustion or resulting gases:

Nitrogen oxides (NOx)

Carbon monoxide (CO)

· Protective equipment:

Wear self-contained respiatory protective device.

Wear fully protective suit.

· Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

· Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Particular danger of slipping on leaked/spilled product.

Keep away from ignition sources

Wear protective clothing.

· Measures for environmental protection:

Do not allow product to reach sewage system or any water course.

Prevent from spreading (e.g. by damming-in or oil barriers).

· Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

Dispose of the collected material according to regulations.

· Additional information:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

- · Handling:
- · Information for safe handling:

Store in cool, dry place in tightly closed receptacles.

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Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Handle with care. Avoid jolting, friction and impact.

Use solvent-proof equipment.

Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatically charged during mixing or moving, observe grounding/grounding of containers and other equipment when handeling.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

Prevent impact and friction.

Use explosion-proof apparatus / fittings and spark-proof tools.

Fumes can combine with air to form an explosive mixture.

Flammable gas-air mixtures may be formed in empty receptacles.

· Storage:

· Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Prevent any seepage into the ground.

· Information about storage in one common storage facility:

Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.

Do not store together with oxidizing and acidic materials as well as heavy-metal compounds. Store away from foodstuffs.

· Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

Protect from humidity and water.

Protect from exposure to the light.

8 Exposure controls and personal protection

· Components with limit values that require monitoring at the workplace:

1330-20-7 xylene

PEL 435 mg/m³, 100 ppm

REL Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm

(o-, m-, & p-isomers)

TLV Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm

BEI

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	41-4 ethylbenzene 435 mg/m³, 100 ppm
	Short-term value: 545 mg/m³, 125 ppm
NLL	Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 543 mg/m³, 125 ppm
	Long-term value: 434 mg/m³, 100 ppm
	BEI
Phei	nolic polymer
PEL	$15*,5** mg/m^3$
	*Total dust, **Respirable Fraction
TLV	$10*,3**mg/m^3$
	*Total Dust, **Respirable Fraction
108-	88-3 toluene
PEL	Short-term value: C 300; 500* ppm
	Long-term value: 200 ppm
	*10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m³, 150 ppm
	Long-term value: 375 mg/m³, 100 ppm
TLV	188 mg/m³, 50 ppm
	Skin; BEI
98-5	4-4 4-tert-butylphenol

- · Additional information: The lists that were valid during the creation were used as basis.
- · Personal protective equipment:
- · General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

Pregnant women should strictly avoid inhalation or skin contact.

Do not eat, drink, smoke or sniff while working.

· Breathing equipment:

Use suitable respiratory protective device in case of insufficient ventilation.

Do not breath vapors, spray mists, or sanding dusts. Use air purifying respirators fitted with organic vapor/HEPA cartridges only if air monitoring demonstrates solvent/particulate levels do not exceed the respirator maximum use concentration. Use properly fitted NIOSH approved respirators. Local and general exhaust should minimize any exposure.

· Protection of hands:



Protective gloves

· **Material of gloves** Nitrile rubber, NBR

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Nitrile or natural rubber gloves are typically used to protect from minor contact. Butyl type are best for prolonged contact.

· Eye protection:



Vapor proof safety goggles or full face respirator

· Body protection:

Solvent resistant protective clothing Impervious protective clothing

Tyvek(R) coveralls to protect from light overspray protection or Saranex 23-P(R) for moderate exposure.

G 17.6 .1	
General Information	
Form:	Fluid
Color:	Blue
Odor:	Alcohol-like
Change in condition	
Melting point/Melting rang	ge: Undetermined.
Boiling point/Boiling rang	e: $> 34^{\circ}C (> 93^{\circ}F)$
Flash point:	26°C (79°F)
Ignition temperature:	430°C (806°F)
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vap
-	mixtures are possible.
	In use, may form flammable/explosive vapour-air mixture.
Explosion limits:	
Lower:	1.0 Vol %
Upper:	7.8 Vol %
Vapor pressure at 20°C (68°.	F): 9.5 hPa (7 mm Hg)
Density at 20°C (68°F):	0.89 g/cm^3
Solubility in / Miscibility wit	Th
Water:	Not miscible or difficult to mix.
Solvent content:	
Organic solvents:	91.3 %
VOC content:	811 g/l
Solids content:	8.7 %

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10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- · Dangerous reactions Reacts with acids, alkalis and oxidizing agents.
- · Dangerous products of decomposition:

Nitrogen oxides

Carbon monoxide and carbon dioxide

11 Toxicological information

· Acute toxicity:

· LD/LC50 values that are relevant for classification:							
1330-20-7 xylene							
		300 mg/kg (rat)					
Dermal	LD50	2000 mg/kg (rabbit)					
100-41-4	100-41-4 ethylbenzene						
Oral	LD50	3500 mg/kg (rat)					
Dermal	LD50	17800 mg/kg (rabbit)					

- · Primary irritant effect:
- · on the skin: Irritant to skin and mucous membranes.
- · on the eye: No irritating effect.
- · Sensitization:

Sensitizing effect through inhalation is possible with prolonged exposure.

Sensitizing effect by skin contact is possible with prolonged exposure.

· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

Danger through skin absorption.

12 Ecological information

· General notes: This statement was deduced from the properties of the single components.

13 Disposal considerations

- · Product:
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Hand over to hazardous waste disposers.

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- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

14 Transport information

· DOT regulations:



· Hazard class:

· Identification number: UN1210 · Packing group: III

· Proper shipping name (technical name): PRINTING INK

· Label 3

· Land transport ADR/RID (cross-border):



· ADR/RID class: 3 Flammable liquids

Danger code (Kemler): 30
UN-Number: 1210
Packaging group: III

• Description of goods: 1210 PRINTING INK

· Maritime transport IMDG:



· IMDG Class: 3
 · UN Number: 1210
 · Label 3
 · Packaging group: III
 · EMS Number: F-E,S-D

· EMS Number: F-E,S-. · Marine pollutant: No

• Propper shipping name: PRINTING INK

· Air transport ICAO-TI and IATA-DGR:



· ICAO/IATA Class: 3
 · UN/ID Number: 1210
 · Label 3
 · Packaging group: III

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· Propper shipping name: PRINTING INK

Regulatio			
Sara			
	•	remely hazardous substances):	
50-00-0 for	rmaldehyde R	$Q\ 100\ lbs = TPQ\ 500\ lbs$	0.000
Section 313	3 (Specific toxi	c chemical listings):	
1330-20-7	xylene		74.369
100-41-4	ethylbenzene		16.425
108-88-3	toluene		0.456%
50-00-0	formaldehyde		0.006%
SARA Title	III Section 3	11/312 - Hazard Communication Standard ((40 CFR 370)
1330-20-7	xylene		74.369
	ethylbenzene		16.425
14233-37-5	Anthraquino	ne Dye	1.9%
108-88-3	toluene		0.456%
50-00-0 formaldehyde 0.0			
EPCRA Se 302.4 for li	ction 304: Em sting in this se	ergency Notification (refer to headings 40 ction)	CFR 355 and CERCLA 40 C
EPCRA Se 302.4 for li 1330-20-7 100-41-4	ction 304: Em sting in this se xylene ethylbenzene	ergency Notification (refer to headings 40 ction) Listed Listed	CFR 355 and CERCLA 40 C
EPCRA Se 302.4 for li 1330-20-7 100-41-4	ction 304: Em sting in this se xylene	ergency Notification (refer to headings 40 ction) Listed Listed	CFR 355 and CERCLA 40 C 74.369 16.425
EPCRA Se 302.4 for li 1330-20-7 100-41-4 50-00-0	ction 304: Em sting in this se xylene ethylbenzene formaldehyde	ergency Notification (refer to headings 40 ction) Listed Listed	CFR 355 and CERCLA 40 C 74.369 16.425
EPCRA Se 302.4 for li 1330-20-7 100-41-4 50-00-0 RCRA: Res 50-00-0 for	ction 304: Emsting in this se xylene ethylbenzene formaldehyde source Conser rmaldehyde C	ergency Notification (refer to headings 40 ction) Listed Listed listed vation and Recovery Act / Code ode U122	CFR 355 and CERCLA 40 C 74.369 16.425 0.006
EPCRA Se 302.4 for li 1330-20-7 100-41-4 50-00-0 RCRA: Res 50-00-0 for TSCA (Tox	ction 304: Emsting in this se xylene ethylbenzene formaldehyde source Conser	ergency Notification (refer to headings 40 ction) Listed Listed listed vation and Recovery Act / Code ode U122 Control Act):	CFR 355 and CERCLA 40 C 74.369 16.425 0.006
EPCRA Se 302.4 for li 1330-20-7 100-41-4 50-00-0 RCRA: Res 50-00-0 for TSCA (Tox	ction 304: Emsting in this sexylene ethylbenzene formaldehyde source Conservandehyde cic Substances ents are listed of	ergency Notification (refer to headings 40 ction) Listed Listed listed vation and Recovery Act / Code ode U122 Control Act):	0.006% CFR 355 and CERCLA 40 C 74.369 16.425 0.0069
EPCRA Se 302.4 for li 1330-20-7 100-41-4 50-00-0 RCRA: Res 50-00-0 for TSCA (Tox All ingredie 1330-20-7	ction 304: Emsting in this sexylene ethylbenzene formaldehyde cource Conservated by Cic Substances ents are listed of xylene tethylbenzene	ergency Notification (refer to headings 40 ction) Listed Listed listed vation and Recovery Act / Code ode U122 Control Act): or exempt.	CFR 355 and CERCLA 40 C 74.369 16.425 0.006
EPCRA Se 302.4 for li 1330-20-7 100-41-4 50-00-0 RCRA: Res 50-00-0 for TSCA (Tox All ingredie 1330-20-7 100-41-4	ction 304: Emsting in this sexylene ethylbenzene formaldehyde source Conservermaldehyde cic Substances ents are listed of xylene ethylbenzene Phenolic poli	ergency Notification (refer to headings 40 ction) Listed Listed listed vation and Recovery Act / Code ode U122 Control Act): or exempt.	CFR 355 and CERCLA 40 C 74.369 16.425 0.006
EPCRA Se 302.4 for li 1330-20-7 100-41-4 50-00-0 RCRA: Res 50-00-0 for TSCA (Tox All ingredic 1330-20-7 100-41-4	ction 304: Emsting in this sexylene ethylbenzene formaldehyde source Conservandehyde cic Substances ents are listed of xylene ethylbenzene Phenolic politic	ergency Notification (refer to headings 40 ction) Listed Listed listed vation and Recovery Act / Code ode U122 Control Act): or exempt.	CFR 355 and CERCLA 40 C 74.369 16.425 0.006
EPCRA Se 302.4 for li 1330-20-7 100-41-4 50-00-0 RCRA: Res 50-00-0 for TSCA (Tox All ingredie 1330-20-7 100-41-4	ction 304: Emsting in this sexylene ethylbenzene formaldehyde cource Conservandehyde Cic Substances ents are listed of xylene ethylbenzene Phenolic politic Anthraquinon	ergency Notification (refer to headings 40 ction) Listed Listed listed vation and Recovery Act / Code ode U122 Control Act): or exempt.	CFR 355 and CERCLA 40 C 74.369 16.425 0.006
EPCRA Se 302.4 for li 1330-20-7 100-41-4 50-00-0 RCRA: Res 50-00-0 for TSCA (Tox All ingredie 1330-20-7 100-41-4 14233-37-5 108-88-3 98-54-4	ction 304: Emsting in this sexylene ethylbenzene formaldehyde source Conservandehyde cic Substances ents are listed of xylene ethylbenzene Phenolic poly Anthraquinon toluene	ergency Notification (refer to headings 40 ction) Listed Listed listed vation and Recovery Act / Code ode U122 Control Act): or exempt.	CFR 355 and CERCLA 40 C 74.369 16.425 0.006
EPCRA Se 302.4 for li 1330-20-7 100-41-4 50-00-0 RCRA: Res 50-00-0 for TSCA (Tox All ingredie 1330-20-7 100-41-4 14233-37-5 108-88-3 98-54-4 556-67-2	ction 304: Emsting in this sexylene ethylbenzene formaldehyde cource Conservated of Substances ents are listed of xylene ethylbenzene Phenolic poly Anthraquinon toluene 4-tert-butylpy cotamethylcy	ergency Notification (refer to headings 40 ction) Listed Listed listed vation and Recovery Act / Code ode U122 Control Act): or exempt. vmer ne Dye henol clotetrasiloxane	CFR 355 and CERCLA 40 C 74.369 16.425 0.006
EPCRA Se 302.4 for li 1330-20-7 100-41-4 50-00-0 RCRA: Res 50-00-0 for TSCA (Tox All ingredie 1330-20-7 100-41-4 14233-37-5 108-88-3 98-54-4 556-67-2 50-00-0	ction 304: Emsting in this sexylene ethylbenzene formaldehyde source Conservated Constances ents are listed of xylene ethylbenzene Phenolic poly Anthraquinon toluene 4 4-tert-butylpe cotamethylcy formaldehyde	ergency Notification (refer to headings 40 ction) Listed Listed listed vation and Recovery Act / Code ode U122 Control Act): or exempt. when of the other is a control cont	CFR 355 and CERCLA 40 C 74.369 16.425 0.006
EPCRA Se 302.4 for li 1330-20-7 100-41-4 50-00-0 RCRA: Res 50-00-0 for TSCA (Tox All ingredie 1330-20-7 100-41-4 14233-37-5 108-88-3 98-54-4 556-67-2 50-00-0	ction 304: Emsting in this sexylene ethylbenzene formaldehyde source Conservated Constances ents are listed of xylene ethylbenzene Phenolic poly Anthraquinon toluene 4 4-tert-butylpe cotamethylcy formaldehyde	ergency Notification (refer to headings 40 ction) Listed Listed listed vation and Recovery Act / Code ode U122 Control Act): or exempt. vmer ne Dye henol clotetrasiloxane	CFR 355 and CERCLA 40 C 74.369 16.425 0.006

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Product contains trac	icals known to cause cancer: e amounts of substances listed by California a esent incidentially and are at PPM levels less	
	dmium, Chromium, Lead, Mercury, Arsenic, Ba	
100-41-4 ethylbenzen	16.425%	
50-00-0 formaldehy	le	0.006%
· Proposition 65 /Chem	icals known to cause reproductive toxicity:	
108-88-3 toluene	1 ,	0.456%
· Clean Air Act- Hazar	dous Air Pollutants	
1330-20-7 xylene	SOCMI,XOV	74.3699
,	ne SOCMI , Code V	16.4259
108-88-3 toluene	SOCMI, XOV	0.456%
50-00-0 formaldeh	vde XOV, SOCMI / ARP 15,000 lbs TQ	0.006%
, and the second	tion 311(b)(2)(A) & Priority Pollutants	
1330-20-7 xylene	100 lbs	74.3699
100-41-4 ethylbenze		16.4259
108-88-3 toluene	Priority Pollutant RQ 1000 lbs	0.456%
50-00-0 formaldeh	~	0.006%
· ACGIH Carcinogen		
1330-20-7 xylene	A4	74.369%
100-41-4 ethylben		16.425%
108-88-3 toluene	A4 and Skin Designation	0.456%
50-00-0 formalde	ū	0.006%
14808-60-7 Quartz (S		<0.00078
· Cancerogenity categor	·	(0.00001)
· EPA (Environmental		
1330-20-7 xylene	D	74.3699
100-41-4 ethylbenze		16.4259
108-88-3 toluene	D	0.456%
		017007
1330-20-7 xylene	Agency for Research on Cancer) 3	74.369%
100-41-4 ethylben		16.425%
108-88-3 toluene	3	0.456%
50-00-0 formalde		0.006%
14464-46-1 cristobal		0.00001%
14808-60-7 Quartz (S		<0.000019
1.2		\0.00001 <i>)</i>
· NTP (National Toxic 50-00-0 formalde	•	0.006%
30-00-0 formalae 14464-46-1 cristobal		0.000%
14808-60-7 Quartz (S		<0.00001% <0.00001%

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				(Contd. of page 1
•		lue established by A	CGIH)	
1330-20-7	•	A4		74.369%
108-88-3		A4		0.456%
14808-60-7	Quartz (SiO2)	A2		<0.000019
NIOSH (Na	tional Institut	e for Occupational S		
1330-20-7	xylene	Standard 75-168, C	Guidelines 81-123	74.369%
100-41-4	ethylbenzene	Guidelines 81-123		16.425%
108-88-3	toluene	Std. 73-11023, Gui	delines 81-123	0.456%
50-00-0	formaldehyde	Std. 77-126 ; Guide	elines 89-104	0.006%
14464-46-1	cristobalite	.05mg/m3		0.00001%
14808-60-7	Quartz (SiO2)	Std. 75-120, Guideli	ines 81-123,CIB 81-137	< 0.000019
OSHA-Ca (Occupational ,	Safety & Health Adn	ninistration)	
50-00-0 for	maldehyde			0.006%
CERCLA- S	ARA Title III	: 40 CFR Part 302, T	Table 302.4	
1330-20-7 x		100 lbs		74.3699
	ethylbenzene	1000 lbs R.Q.		16.425%
	ormaldehyde	· -		0.006%
State regula	•	~		
New Jersey	Right-to-know	,		
1330-20-7 x	cylene	DOT 1307, Sub. No.	2014	74.369%
100-41-4 e	ethylbenzene	DOT 1175 Sub. No.	0851	16.425%
108-88-3 t	oluene	DOT 1294, Sub. No.	1866	0.456%
50-00-0 f	formaldehyde	DOT:1198 Sub No. 9	946 EHS 175 II 1 A	0.006%
Massachuss	etts Right-to-k	now / Hazardous Su	bstance Codes	<u> </u>
1330-20-7		2,4 F8 F9		74.369%
	ethylbenzene	2,4,5,6 F7 F8 F9		16.425%
108-88-3	•	2,4,5,6 F7 F8 F9		0.456%
50-00-0	formaldehvde		1,2,3,4,5,6,7 *E*C* F6	
	cristobalite	1,2,3,4 *E*C		0.006% 0.00001%
				<0.000019
		Substance Lists		
1330-20-7		Toxic		74.369%
	ethylbenzene	Toxic		16.425%
108-88-3	•	Toxic	0.456%	
	formaldehyde		0.006%	
14464-46-1	•	Toxic	0.00001%	
	Quartz (SiO2)	Toxic		<0.000019
	ia Hazardous S			10.00017
1330-20-7		juosiunies	E	74.369%
	AVIETIE			/4.3097

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				(Contd. of page 11
108-88-3	toluene		E	0.456%
50-00-0	formaldehyde		ES	0.006%
68855-54-9	Kieselguhr, soda ash flux-calcined			0.001%
14464-46-1	l cristobalite			0.00001%
· Michigan H	Iazardous Subs	tance		-
100-41-4 et	thylbenzene Li	sted		16.425%
· Minnesota I	Right To Know	/ Hazardous Substai	ices	
1330-20-7	xylene	Code ANO		74.369%
100-41-4	ethylbenzene	Code AO		16.425%
108-88-3	toluene	Codes: ANO, Skin h	azard	0.456%
50-00-0	formaldehyde	Codes: ANORT / Carcinogen		0.006%
14464-46-1	cristobalite	A		0.00001%
14808-60-7	Quartz (SiO2)	Codes A		<0.00001%
· Maine				
1330-20-7	xylene			74.369%
· Rhode Islan	ıd			
1330-20-7	xylene			74.369%
· New York R	Right To Know	/ Hazardous Substan	ces	
1330-20-7	xylene .	Air RQ 1000 lbs, Lan	d RQ 1 lb	74.369%
100-41-4	ethylbenzene .	Air RQ 1000 lbs, Lan	d RQ 1 lb	16.425%
108-88-3	toluene	Air RQ 1000 lbs, Lan	d RQ 1 lb	0.456%
50-00-0 j	formaldehyde .	Air RQ 100 lbs, Land	RQ 1 lb	0.006%

· Product related hazard informations:

The product has been classified and marked in accordance with directives on hazardous materials.

· Hazard symbols:

Xn Harmful

· Hazard-determining components of labelling:

xylene

· Risk phrases:

10 Flammable.

20/21 Harmful by inhalation and in contact with skin.

38 Irritating to skin.

· Safety phrases:

- 3 Keep in a cool place.
- 9 Keep container in a well-ventilated place.
- 16 Keep away from sources of ignition No smoking.
- 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
- 25 Avoid contact with eyes.

36/37 Wear suitable protective clothing and gloves.

- 43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
- 51 Use only in well-ventilated areas.
- 60 This material and its container must be disposed of as hazardous waste.

(Contd. on page 13)

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Trade name: FD Ink Blue

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- · National regulations:
- · OSHA Process Safety Management: Appendix A to 29 CFR 1910.119

50-00-0 formaldehyde T.Q. 1000 lbs

0.006%

· Occupational Safety and Health Act (OSHA)

Immediate (acute) health hazard Delayed (chronic) Health Hazard

Fire Hazard

· Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

· Relevant R-phrases

- 10 Flammable.
- 11 Highly flammable.
- In use, may form flammable/explosive vapour-air mixture.
- 20 Harmful by inhalation.
- 20/21 Harmful by inhalation and in contact with skin.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 38 Irritating to skin.
- 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- 63 Possible risk of harm to the unborn child.
- 65 Harmful: may cause lung damage if swallowed.
- 67 Vapours may cause drowsiness and dizziness.
- · Contact: MSDS Department

USA