PRINTING OPERATIONS
AIR GENERAL PERMIT REGISTRATION FORM

RECEIVED
AUG 26 2009
Bureau of Air Monitoring & Mobile Sources

Part II. Notification to Permitting Office

(Detach and submit to appropriate permitting office; keep copy onsite)

Instructions: To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. *($100 as of the effective date of this form)*

0251318-001

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- ☐ Construct and operate a proposed new facility.
- ☒ Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit).

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- ☐ Continue operating the facility after expiration of the current term of air general permit use.
- ☐ Continue operating the facility after a change of ownership.
- ☐ Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only

If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- ☐ All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s):
- ☐ No air operation permits currently exist for this facility.

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)
Nationwide Graphics

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a registration form must be completed for each.)
Dodd Communications

Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)
Street Address: 950 SE 8th Street
City: Hialeah County: Miami-Dade Zip Code: 33010

Facility Start-Up Date (Estimated start-up date of proposed **new** facility.)(N/A for existing facility)
N/A

Owner/Authorized Representative

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.)
Print Name and Title: Troy Dominy, President

Owner/Authorized Representative Mailing Address
Organization/Firm:Dodd Communications
Street Address: 950 SE 8th Street
City:Hialeah County:Miami-Dade Zip Code:33010

Owner/Authorized Representative Telephone Numbers
Telephone:(305) 557-1611 Fax:(305) 557-9112
Cell phone (optional):

Facility Contact (If different from Owner/Authorized Representative)

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)
Print Name and Title:Jorge Aguilar, Vice President

Facility Contact Mailing Address
Organization/Firm:Dodd Communications
Street Address: 950 SE 8th Street
City:Hialeah County:Miami-Dade Zip Code:33010

Facility Contact Telephone Numbers
Telephone:(305) 885-8807 Fax:(305) 888-9903
Cell phone (optional):

Owner/Authorized Representative Statement

This statement must be signed and dated by the person named above as owner or authorized representative

I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof.

I will promptly notify the Department of any changes to the information contained in this registration form.

Signature Date 8/21/09

Printing Process/InkType(s)

Check all that apply:

☐ Heatset Offset Lithographic	☒ Non-Heatset Offset Lithographic	☐ Digital
☐ Screen or Letterpress	☐ Water Based	☐ Ultraviolet Cured
☐ Flexographic	☐ Rotogravure	

Compliance Assurance - Initial Registration (Not Required for Re-Registration)

Below, or as an attachment to this form, provide the method (mass balance or material usage rates) expected to be used to demonstrate compliance with Rule 62-210.310(4)(f)2., F.A.C. Provide the estimated amount of materials containing hazardous air pollutants and solvent-containing materials expected to be used over a 12-month period.

The facility will utilize a computerized chemical usage and VOC emissions tracking program to track the amount of materials containing hazardous air pollutants and solvent-containing materials used over 12-month period. The amount of each chemical used and VOC emissions are on Attachment A - PTE of VOC Emissions Estimate. A set of MSDS is also enclosed to identify the chemicals used in the pressroom that contain VOC as well as HAPs.

Compliance Determination - Re-Registration (Not Required for Initial Registration)

Below, or as an attachment to this form, provide the highest 12-month total quantity of materials containing hazardous air pollutants and the highest 12-month total quantity of solvent-containing materials used in the last five years to show compliance with sub-subparagraph 62-210.310(4)(f)2.b., F.A.C. (material usage rates) or provide all calculations to show compliance with sub-subparagraph 62-210.310(4)(f)2.a., F.A.C. (mass balance).

N/A

Description of Facility

Below, or as an attachment to this form, provide a description of the printing operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Information should include a description of the number and types of printing processes, presses and ink systems being used at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

Conventional sheetfed offset printing consisting of two 6C 28"x40" Heidelberg sheetfed printing press with an aqueous coater and IR curing device, a 6C 29"x23.25" Heidelberg sheetfed pritning press with an aqueous coater and IR curing device, and a 2C 14"x20" duplicator.

EQUIPMENT DESCRIPTION DOES NOT MATCH ATTACHED SPREADSHEET.

Attachment A – PTE of VOE Emissions Estimate

09/03/09 - CORRECTED COPY #2 FINAL

DODD COMMUNICATIONS, HIALEAH, FL PRINTING PLANT
FOUR SHEETFED PRINTING PRESSES VOC EMISSIONS ESTIMATE

a. Fugitive Emissions	VOC % or lb/gal	Projected Usage		Projected Usage		VOC		Emission Factor		VOC Emissions	
1. Sheetfed Printing Inks	19.00%	40,000.00	VOC =	40000.00	x	0.1900	x	100%	=	7600.00	lbs/year
2. Wikoff Aqueous Coatings	6.59%	120,000.00	VOC =	120000.00	x	0.0659	x	100%	=	7908.00	lbs/year
3. Bottcher PK6 B/R Wash	6.60	660.00	VOC =	660.00	x	6.6000	x	100%	=	4356.00	lbs/year
4. WIkoff MRC Cleaner	4.60	220.00	VOC =	220.00	x	4.6000	x	100%	=	1012.00	lbs/year
5. All Star Fountain Solution	4.00	660.00	VOC =	660.00	x	4.0000	x	100%	=	2640.00	lbs/year
6. Scratch Remover (qt)	1.04	96.00	VOC =	96.00	x	1.0400	/	4.00	=	24.96	lbs/year
7. Velocity Plate Cleaner (qt)	4.67	48.00	VOC =	48.00	x	4.6700	/	4.00	=	56.04	lbs/year
8. Allied Nasgum (qt)	2.10	48.00	VOC =	48.00	x	2.1000	/	4.00	=	25.20	lbs/year
Fugitive Emissions =	**23622.20**	**lbs/year**	=	**11.8111**	**tons/year**		*	The number "4" is a conversion			
	3.1547	**lbs/hour**	**(24 hours/day, 312 days/year)**					factor from quart to gallon.			

b. Hazardous Air Pollutants Emissions								
Name of HAP	CAS #	Emission Rate						
1. Cumene	98-82-8	50.38	lbs/yr =	0.0067	lb/hour	=	**0.0252**	**ton/year**
2. Xylene	1330-20-7	517.89	lbs/yr =	0.0692	lb/hour	=	**0.2589**	**ton/year**
3. Ethylene Glycol	107-21-1	1066.57	lbs/yr =	0.1424	lb/hour	=	**0.5333**	**ton/year**
4. Total						=	**0.8174**	**ton/year**

List of Printing Equipment
Press #1 6C, 29" x 13.25", Heidelberg Sheetfed Press w/ an aqueous coater
Press #2 6C, 28" x 40", Heidelberg Sheetfed Press w/ an aqueous coater
Press #3 6C, 28" x 40", Heidelberg Sheetfed Press w an Aqueous Coater
Press #4 2C, 14"x20" Duplicator

Dibble, Dickson

From: nejccorp@aol.com
Sent: Thursday, September 03, 2009 2:28 PM
To: Dibble, Dickson
Cc: tdominy@dodd-communications.com; bob.koch@nationwidegraphics.com
Subject: Revised VOC Emissions Estimate
Attachments: VOCSHEET09.XLS

Dick:

As instructed, I've added a note for the number "4" used in the calculation for coverting quart to gallon. Any questions, please call me. Thanks a lot for your time and consideration.

Nelson

ORIGINAL COPY

DODD COMMUNICATIONS, HIALEAH, FL PRINTING PLANT
FOUR SHEETFED PRINTING PRESSES VOC EMISSIONS ESTIMATE

USE OF EMISSION FACTORS NOT ALLOWED

a. Fugitive Emissions	VOC % or lb/gal	Projected Usage		Projected Usage		VOC		Emission Factor		VOC Emissions	
1. Sheetfed Printing Inks	19.00%	40,000.00	VOC =	40000.00	x	0.1900	x	5%	=	~~380.00~~	lbs/year
2. Wikoff Aqueous Coatings	6.59%	120,000.00	VOC =	120000.00	x	0.0659	x	100%	=	7908.00	lbs/year
3. Bottcher PK6 B/R Wash	6.60	660.00	VOC =	660.00	x	6.6000	x	100%	=	4356.00	lbs/year
4. WIkoff MRC Cleaner	4.60	220.00	VOC =	220.00	x	4.6000	x	100%	=	1012.00	lbs/year
5. All Star Fountain Solution	4.00	660.00	VOC =	660.00	x	4.0000	x	100%	=	2640.00	lbs/year
6. Scratch Remover (qt)	1.04	96.00	VOC =	96.00	x	1.0400	/	4.00	=	~~24.96~~	lbs/year
7. Velocity Plate Cleaner (qt)	4.67	48.00	VOC =	48.00	x	4.6700	/	4.00	=	~~56.04~~	lbs/year
8. Allied Nasgum (qt)	2.10	48.00	VOC =	48.00	x	2.1000	/	4.00	=	~~25.20~~	lbs/year
Fugitive Emissions =	**16402.20**	**lbs/year**	=	**8.2011**	**tons/year**						
	2.1905	**lbs/hour**	**(24 hours/day, 312 days/year)**								

7600.00
99.84
224.16
100.80

b. Hazardous Air Pollutants Emissions									
Name of HAP	CAS #	Emission Rate							
1. Cumene	98-82-8	50.38	lbs/yr =	0.0067	lb/hour	=	**0.0252**	**ton/year**	
2. Xylene	1330-20-7	517.89	lbs/yr =	0.0692	lb/hour	=	**0.2589**	**ton/year**	
3. Ethylene Glycol	107-21-1	1066.57	lbs/yr =	0.1424	lb/hour	=	**0.5333**	**ton/year**	
4. Total						=	**0.8174**	**ton/year**	

List of Printing Equipment
Press #1 6C, 29" x 13.25", Heidelberg Sheetfed Press w/ an aqueous coater
Press #2 6C, 28" x 40", Heidelberg Sheetfed Press w/ an aqueous coater
Press #3 6C, 28" x 40", Heidelberg Sheetfed Press w/o an Aqueous Coater
Press #4 2C, 14"x20" Duplicator

09/02/09- CORRECTED COPY #1

DODD COMMUNICATIONS, HIALEAH, FL PRINTING PLANT
FOUR SHEETFED PRINTING PRESSES VOC EMISSIONS ESTIMATE

a. Fugitive Emissions	VOC	Projected		Projected		VOC		Emission		VOC	
	% or lb/gal	Usage		Usage				Factor		Emissions	
1. Sheetfed Printing Inks	19.00%	40,000.00	VOC =	40000.00	x	0.1900	x	100%	=	7600.00	lbs/year
2. Wikoff Aqueous Coatings	6.59%	120,000.00	VOC =	120000.00	x	0.0659	x	100%	=	7908.00	lbs/year
3. Bottcher PK6 B/R Wash	6.60	660.00	VOC =	660.00	x	6.6000	x	100%	=	4356.00	lbs/year
4. WIkoff MRC Cleaner	4.60	220.00	VOC =	220.00	x	4.6000	x	100%	=	1012.00	lbs/year
5. All Star Fountain Solution	4.00	660.00	VOC =	660.00	x	4.0000	x	100%	=	2640.00	lbs/year
6. Scratch Remover (qt)	1.04	96.00	VOC =	96.00	x	1.0400	/	4.00	=	24.96	lbs/year
7. Velocity Plate Cleaner (qt)	4.67	48.00	VOC =	48.00	x	4.6700	/	4.00	=	56.04	lbs/year
8. Allied Nasgum (qt)	2.10	48.00	VOC =	48.00	x	2.1000	/	4.00	=	25.20	lbs/year
Fugitive Emissions =	**23622.20**	lbs/year	=	**11.8111**	tons/year						
	3.1547	lbs/hour	(24 hours/day, 312 days/year)								

09/03/09
* USE OF EMISSION FACTORS NOT ALLOWED - HAVE REQUESTED ANOTHER CORRECTION.
D. Dubble

b. Hazardous Air Pollutants Emissions								
Name of HAP	CAS #	Emission Rate						
1. Cumene	98-82-8	50.38	lbs/yr =	0.0067	lb/hour	=	**0.0252**	ton/year
2. Xylene	1330-20-7	517.89	lbs/yr =	0.0692	lb/hour	=	**0.2589**	ton/year
3. Ethylene Glycol	107-21-1	1066.57	lbs/yr =	0.1424	lb/hour	=	**0.5333**	ton/year
4. Total						=	**0.8174**	ton/year

List of Printing Equipment
Press #1 6C, 29" x 13.25", Heidelberg Sheetfed Press w/ an aqueous coater
Press #2 6C, 28" x 40", Heidelberg Sheetfed Press w/ an aqueous coater
Press #3 6C, 28" x 40", Heidelberg Sheetfed Press w an Aqueous Coater
Press #4 2C, 14"x20" Duplicator

Dibble, Dickson

From: Dibble, Dickson
Sent: Thursday, September 03, 2009 10:02 AM
To: 'nejccorp@aol.com'
Cc: Ajhar, Rebecca; tdominy@dodd-communications.com
Subject: RE: Revised Spreadsheet for Dodd Communications

Nelson,

I know that it is not a significant amount, but according to the rules when using the Mass Balance approach for calculating VOC's, **all** VOC's are to be calculated w/o the use of Emission Factors.

After reviewing your current spreadsheet, I noticed that the last three items, #'s 6, 7, and 8, Scratch Remover, Velocity Plate Cleaner & Allied Nasgum calculations respectively are still using 4.00 as the Emission Factor. Since the use of Emission Factors are not allowed would you be so kind to make the adjustment to your spreadsheet to accurately reflect that no Emission Factors were used in calculating those three categories. Please return it to me as soon as possible so that I can add it as an addendum to Mr. Dominy's original registration form?

If you have any questions, comments or concerns please e-mail or call.

Thank you and have a great day!

Dickson E. Dibble

Dickson E. Dibble, ES III
FL Dept of Environmental Protection
Div. of Air Resource Management
Bureau of Air Monitoring & Mobile Sources
Air General Permit Program
Tel. (850) 921-9586
FAX (850) 922-6979
ICG-#345
Dickson.Dibble@dep.state.fl.us

-----Original Message-----
From: nejccorp@aol.com [mailto:nejccorp@aol.com]
Sent: Wednesday, September 02, 2009 6:07 PM
To: Dibble, Dickson
Cc: tdominy@dodd-communications.com
Subject: Revised Spreadsheet for Dodd Communicatons

Dick:

I have confurmed that the three press is indeed with an aqueous coater and IR curing device. I updated the spreadsheet as you requeted.
Please see attached. In hte mean time, Mr. Troy Dominy will forward the check to you tomorrow. Any questions, please call me @ (724) 799-4805.

Nelson Ho

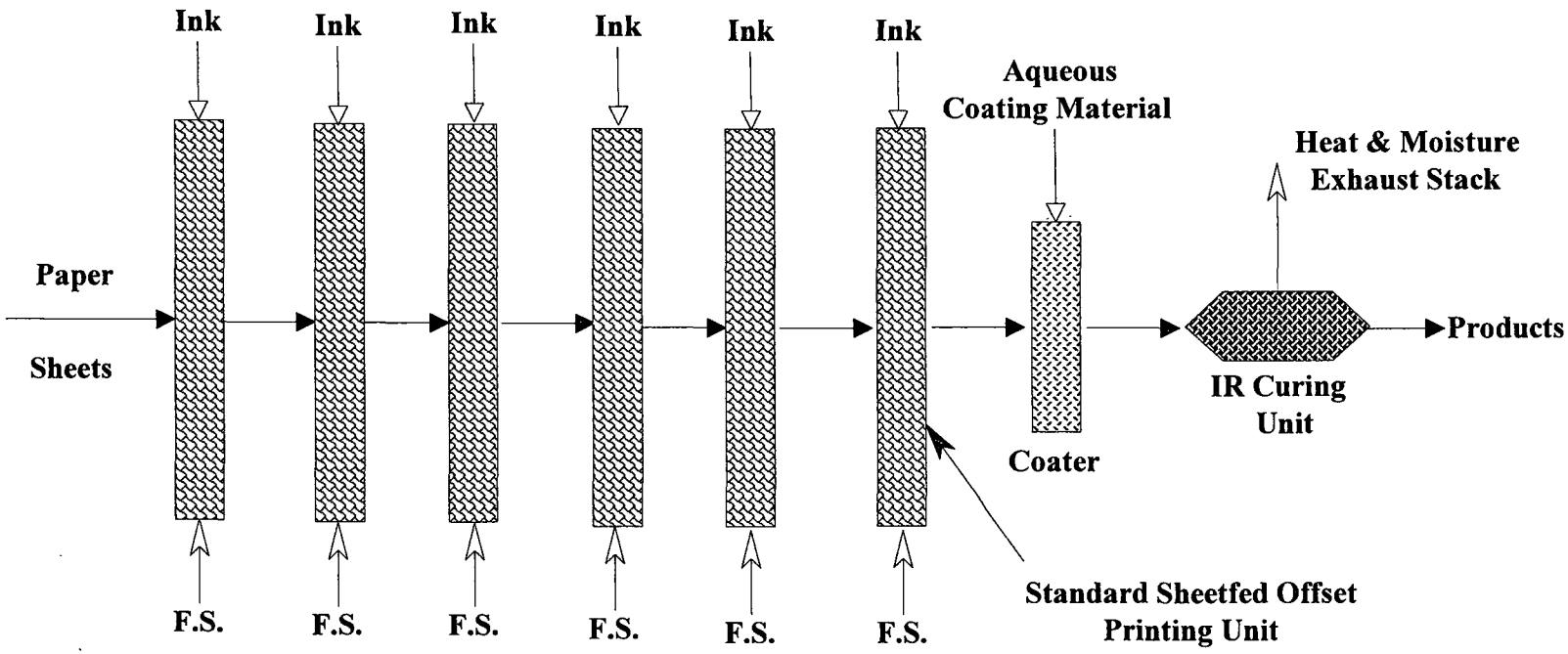
Tracking:

Recipient	Delivery
'nejccorp@aol.com'	
Ajhar, Rebecca	Delivered: 9/3/2009 10:02 AM
tdominy@dodd-communications.com	

Attachment B – Process Flow Diagram and Descriptions (3)

PROCESS FLOW DIAGRAM AND DESCRIPTION
SHEETFED OFFSET LITHOGRAPHIC PRINTING

6C HEIDELBERG SHEETFED OFFSET PRINTING PRESS WITH A COATER & AN IR CURING SYSTEM



F.S. -Fountain Solution

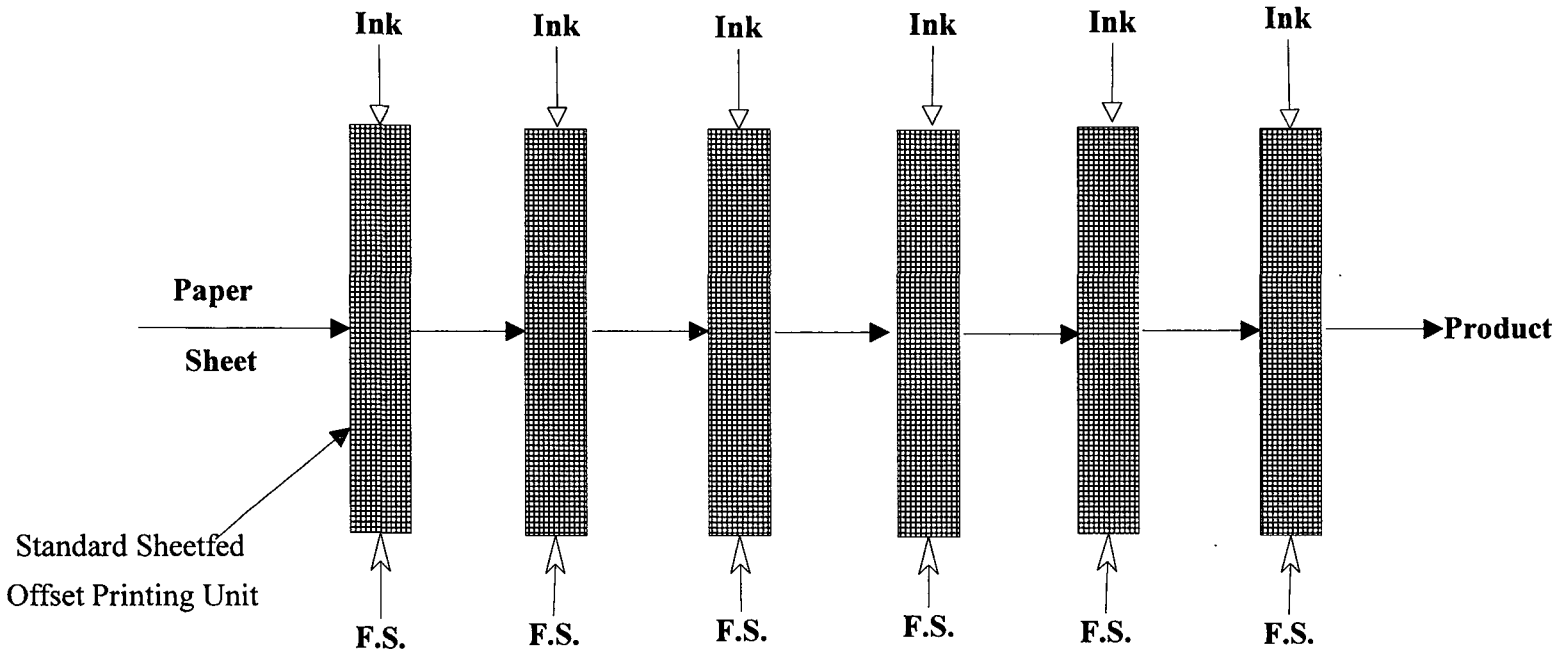
The press uses the sheetfed offset lithographic printing process to transfer inked images from the plate to the impression roller then onto the paper with the aid of fountain solution and additives. The VOC emissions are of fugitive type and from the use of inks, fountain solutions, cleaning and washing solutions and solvents. Majority of the VOC emissions occur during job changes and ink changes when cleaning of the rollers, ink fountains, plates and blankets are taking place.

Each printing unit is equipped with a set of inking rollers, impression roller with blanket, plate, ink fountain, and fountain solution reservoir. The coater uses an infrared (IR) curing devices to drive off the moisture in the aqueous coting material. The heat and moisture generated in the UV/IR are vented through a small stack.

Dodd Communications, Hialeah, FL

PROCESS FLOW DIAGRAM AND DESCRIPTION
SHEETFED OFFSET LITHOGRAPHIC PRINTING

TYPICAL 6C HEIDELBERG SHEETFED OFFSET PRINTING PRESS



F.S. - Fountain Solution

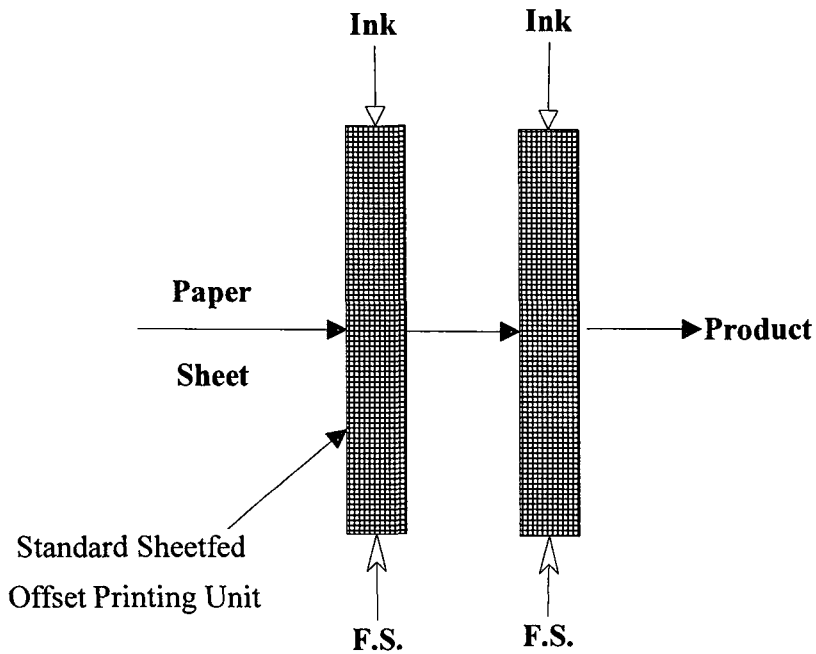
The press uses the sheetfed offset lithographic printing process to transfer inked images from the plate to the impression roller then onto the paper with the aid of fountain solution and additives. The VOC emissions are of fugitive type and from the use of inks, fountain solutions, cleaning and washing solutions and solvents. Majority of the VOC emissions occur during job changes and ink changes when cleaning of the rollers, ink fountains, plates and blankets are taking place.

Each printing unit is equipped with a set of inking rollers, impression roller with blanket, plate, ink fountain, and fountain solution reservoir.

Dodd Communicatons, Hialeah, FL

PROCESS FLOW DIAGRAM AND DESCRIPTION
SHEETFED OFFSET LITHOGRAPHIC PRINTING

2-COLOR DUPLICATOR (SHEETFED)



F.S. - Fountain Solution

The press uses the sheetfed offset lithographic printing process to transfer inked images from the plate to the impression roller then onto the paper with the aid of fountain solution and additives. The VOC emissions are of fugitive type and from the use of inks, fountain solutions, cleaning and washing solutions and solvents. Majority of the VOC emissions occur during job changes and ink changes when cleaning of the rollers, ink fountains, plates and blankets are taking place.

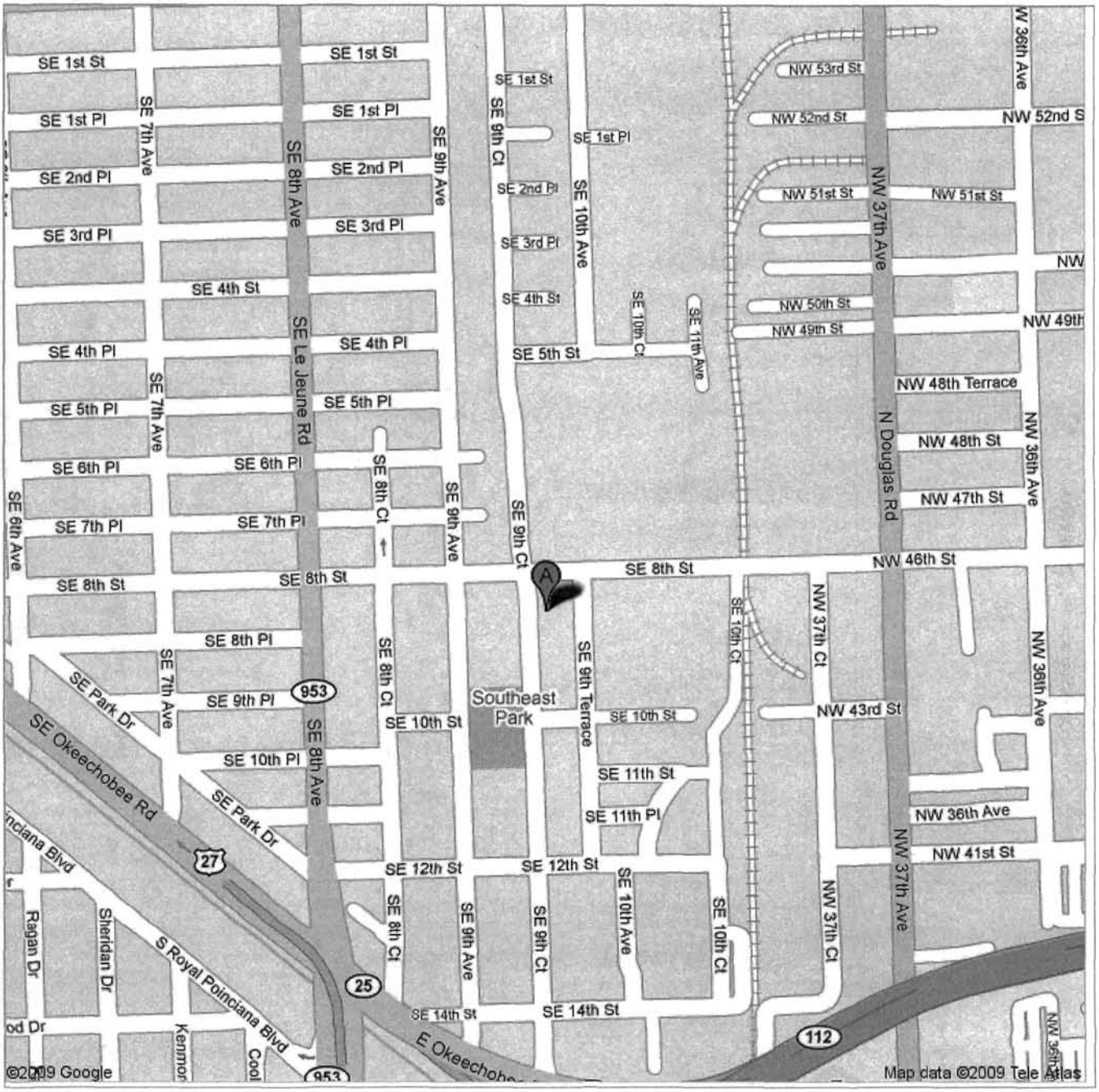
Each printing unit is equipped with a set of inking rollers, impression roller with blanket, plate, ink fountain, and fountain solution reservoir.

Dodd Communications, Hialeah, FL

Attachment C – Plot Plan and Site Plan

Google maps Address **950 SE 8th St**
Hialeah, FL 33010

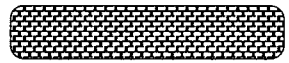
Notes Dodd Communications



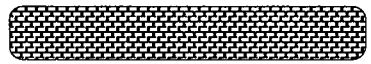
PRESSROOM

N

Paper and Product
Storage Area

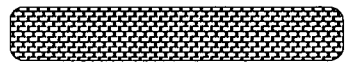


6C Heidelberg Sheetfed Press, #3



6C Heidelberg Sheetfed Press, #2

2C Duplicator



6C Heidelberg Sheetfed Press, #1

Office

Dodd Communications, Hialeah, Fl

Attachment D - MSDS

Hostmann-Steinberg

Material Safety Data

huber group

U.S. Version

LEAK & SPILL PROCEDURES	*Remove sources of ignition, ventilate area, scrape up with ink knives. Clean with approved cleaner. Discharge to navigable waterways or shorelines resulting in a visible surface sheen is prohibited and reportable under Section 311(b) (3) of the Federal Water Pollution Control Act (40 CFR 110).*
WASTE DISPOSAL	*Liquid Industrial Waste - Dispose according to local, state and federal regulations.*
HANDLING & STORAGE	*Store sealed container away from heat, sparks and open flames. Wash hands thoroughly before eating, smoking or using toilet facilities.*
OTHER PRECAUTIONS	*For industrial use only. Do not take internally. Do not transfer to unmarked containers.*
SECTION 9 - COMPLIANCE INFORMATION FOR SHEETFED PROCESS INKS	
European Union	
94/62/EC DIRECTIVE last amended by 2005/20/EC Directive	*These products do not contain Cadmium, Lead, Mercury or Hexavalent Chromium at levels above the 100 ppm total concentration. No heavy metals are deliberately added during manufacture..*
2002/96/EC DIRECTIVE (RoHS) as amended by 2005/618/EC	*Directive does not apply to packaging, only to electrical and electronic equipment. Lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ethers are not deliberately added during manufacture. Incidental levels of lead, mercury, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ethers are below the 0.1 wt% level; cadmium is below the 0.01 wt% level.*
DIRECT FOOD CONTACT	*These products are not recommended for direct food contact. An impermeable barrier must be placed between the printed surface and the foodstuff.*
EN 71-3:1994 / A1:2000	*These products do not contain lead, antimony, arsenic, barium, cadmium, mercury or selenium at concentrations greater than the listed limits.*
REGULATION 304/2003/EC, as amended BY REGULATION 775/2004/EC	*These products do not intentionally contain chemicals listed in Annex 1.*
U.K REGULATION 2003 No. 1941	*These products do not intentionally contain chemicals listed in Annex 1.*
United States	
16 CFR 1303	*Regulations state that printed inks are not included in the scope. These products do not contain lead above the listed limit. Lead is not deliberately added during manufacture.*
ASTM F 963-03	*These products do not contain lead, antimony, arsenic, barium, cadmium, mercury or selenium at concentrations greater than the listed limits.*
CALIFORNIA PROPOSITION 65	*These products do not contain listed chemicals. If Carbon black is present, it is in a bound form and is not respirable.*
C.O.N.E.G. / CALIFORNIA ASSEMBLY BILL 2202	*These products do not contain Cadmium, Lead, Mercury or Hexavalent Chromium at levels above the stage 3 reduction level of 100 ppm total concentration. No heavy metals are deliberately added during manufacture.*
DIRECT FOOD CONTACT	*These products are not recommended for direct food contact. An impermeable barrier must be placed between the printed surface and the foodstuff.*
O.S.H.A.	*Does not contain hazardous ingredients as outlined in Regulation 29 CFR 1910.1200 (f)*
SARA SECTION 313 TOXIC CHEMICALS (40 CFR 372)	*See Right-to-know Chemicals listed below. Chemicals under this regulation are identified with the abbreviation S313.*
T.S.C.A.	*All components are either listed or are non-hazardous as outlined in the TSCA inventory (EPA-Toxic Substances Control Act.)*
U.S. CLEAN AIR ACT (1990)	*These products do not contain nor are manufactured using any of Class I or Class II ozone depleting chemicals.*

RIGHT TO KNOW CHEMICALS	JURISDICTION
Barium Pigment (CAS# 5160-02-1)	*Pennsylvania (Title 34 Chapter 323)*
Carbon Black (CAS# 1333-86-4)	*Pennsylvania (Title 34 Chapter 323)*
Copper Pigment Blue (CAS# 147-14-8)	*Massachusetts (310 CMR 40.1600) Pennsylvania (Title 34 Chapter 323)*
Copper Pigment Green (CAS# 1328-53-6)	*Massachusetts (310 CMR 40.1600) Pennsylvania (Title 34 Chapter 323)*
Linseed Oil (CAS# 8001-26-1)	*Pennsylvania (Title 34 Chapter 323)*

Hostmann-Steinberg

Material Safety Data

huber group

U.S. Version

CHEMICALS OF CONCERN	
Isopropylthioxanthone (ITX)	*Not deliberately added during the manufacture of these products.*
2,4-Pentanedione	*Not deliberately added during the manufacture of these products.*
Titanium Acetyl Acetone (TAA)	*Not deliberately added during the manufacture of these products.*
Perfluorooctanoic acid (PFOA)	*Not deliberately added during the manufacture of these products.*
Perfluorooctanesulfonate (PFOS)	*Not deliberately added during the manufacture of these products.*
Perfluorinated Surfactants (PFT)	*Not deliberately added during the manufacture of these products.*

COMPOSITION INFORMATION

Code	VOC (wt%)		VEGETABLE OILS (wt%)			RIGHT TO KNOW CHEMICALS (wt%)			
	Including exempt solvents & water	Excluding exempt solvents & water	Linseed Oil	Soya Oil	Other Oils	Barium Pigment	Copper Pigment Blue	Copper Pigment Green	Carbon Black
41 F 10 IP	4	4	31	6	12	-	-	-	-
42 F 10 IP	4	4	23	5	17	-	-	-	-
43 F 10 IP	4	4	30	8	9	-	18	-	-
49 F 10 IP	4	4	32	1	9	-	-	-	23
41 F 10 PX	3	3	33	5	13	-	-	-	-
42 F 10 PX	3	3	24	5	16	-	-	-	-
43 F 10 PX	3	3	32	7	9	-	19	-	-
49 F 10 PX	3	3	34	1	10	-	-	-	23
41 F 10 RP	17	17	19	6	11	-	-	-	-
42 F 10 RP	19	19	13	6	14	-	-	-	-
43 F 10 RP	19	19	17	7	7	-	16	-	-
49 F 10 RP	13	13	24	1	10	-	-	-	23
41 F 10 RL	3	3	36	5	11	-	-	-	-
42 F 10 RL	3	3	30	5	15	-	-	-	-
43 F 10 RL	3	3	38	7	8	-	16	-	-
49 F 10 RL	3	3	35	1	10	-	-	-	23
41 F 10 RS	4	4	35	5	11	-	-	-	-
42 F 10 RS	4	4	29	5	11	-	-	-	-
43 F 10 RS	4	4	35	7	7	-	16	-	-
49 F 10 RS	4	4	33	1	10	-	-	-	23
41 F 10 SP	17	17	19	7	12	-	-	-	-
42 F 10 SP	16	16	11	7	16	-	-	-	-
43 F 10 SP	18	18	16	7	9	-	19	-	-
49 F 10 SP	12	12	24	1	11	-	-	-	23

All values have been calculated from formula weights, and were accurate as of June 2007.
Values are in weight per cent.

To calculate weight in pounds of VOC's, multiply the value in the "excluding exempt solvents & water" column by the weight in pounds of the ink and divide by 100. The average density of a sheetfed process ink is 8.4 lbs per gallon.

Material Safety Data Sheet

HMIS	PPE
Health: 1 **Flammability:** 1 **Reactivity:** 0	 

Preparation Date: 17-Jun-2008 **Revision Number:** *0* **Revision Date:** *20-May-2007*

1. PRODUCT AND COMPANY IDENTIFICATION

Product Description: SCW-2725 SEMI-GLOSS AQUAKOTE
Product Code: 03.840.002725
Product Class: Water Based Coating

Corporate:
Wikoff Color Corporation
1886 Merritt Rd
Fort Mill, SC 29715-9782

Telephone: 803-548-2210

Manufacturer:
Wikoff Color Corporation
1886 Merritt Rd
Fort Mill, SC 29715-9782

Telephone: 803-548-2210

Emergency Telephone: Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview:
The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance: Various Colors **Physical State:** Liquid **Odor:** Ammonia

Potential Health Effects:

Principle Routes of Exposure: Eye contact. Skin contact. Inhalation.

Acute Effects:
Eyes: Avoid contact with eyes. Contact with eyes may cause irritation.
Skin Substance may cause slight skin irritation
Inhalation May cause irritation of respiratory tract
Ingestion: May be harmful if swallowed

Chronic Effects:
See Section 11 for additional Toxicological information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Information:

Component	CAS-No	Weight %
Ammonium Hydroxide as NH4OH	1336-21-6	1 - 5
Silicon Dioxide	112926-00-8	1 - 5
2-Propanol	67-63-0	1 - 5

4. FIRST AID MEASURES

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, consult a specialist.

Skin Contact: Wash skin with soap and water. Get medical attention if irritation develops or persists.

Inhalation: Move to fresh air. If symptoms persist, call a physician.

Ingestion: Rinse mouth. Consult a physician if necessary.

General Advice: If symptoms persist, call a physician.

5. FIRE-FIGHTING MEASURES

Flammable Properties: Keep away from open flames, hot surfaces and sources of ignition. The product is flammable but not readily ignited

Suitable Extinguishing Media: Water spray, Carbon dioxide (CO2), Dry chemical

Specific Hazards Arising from the Chemical:
Combustible material. Thermal decomposition can lead to release of irritating gases and vapours.

Protective Equipment and Precautions for Firefighters:
Use personal protective equipment. Standard procedure for chemical fires.

HMIS **Health:** 1 **Flammability:** 1 **Reactivity:** 0

6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. Do not flush into surface water or sanitary sewer system.

Methods for Clean-up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Prevent product from entering drains. Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Handling: Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition.

Storage: Keep in properly labelled containers. Keep away from open flames, hot surfaces and sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Component	ACGIH TLV	OSHA PEL
2-Propanol	TWA: 200 ppm STEL: 400 ppm	TWA: 980 mg/m^3 TWA: 400 ppm

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice. Wear suitable gloves and eye/face protection.

Personal Protective Equipment

Eye/face Protection Safety glasses with side-shields
Skin Protection Wear protective gloves/clothing
Respiratory Protection No special protective equipment required. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Various Colors	**Odor:**	Ammonia
Physical State:	Liquid	**Flash point:**	> 200°F
Method:	Seta closed cup	**Specific Gravity:**	1.0287
Water Solubility:	Dispersible in Water	**Density (lbs/gal):**	8.5851
Weight % VOC:	6.587		

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Heat, flames and sparks

Incompatible Materials: No materials to be especially mentioned

Hazardous Decomposition Products: None under normal use

Possibility of Hazardous Reactions: None under normal processing

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

Component Information: None known.

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ammonium Hydroxide as NH4OH	350 mg/kg (Rat)		
2-Propanol	4396 mg/kg (Rat)	12800 mg/kg (Rabbit) 12800 mg/kg (Rat)	72.6 mg/L (Rat)

Chronic Toxicity:

Carcinogenicity:
There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Ecotoxicity:
Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Ammonium Hydroxide as NH4OH		LC50 = 8.2 mg/L 96 h		EC50 = 0.66 mg/L 48 h
2-Propanol	EC50 > 1000 mg/L 72 h EC50 > 1000 mg/L 96 h	LC50 = 61200 mg/L 96 h LC50 = 94900 mg/L 96 h LC50 = 9640 mg/L 96 h	EC50 = 35390 mg/L 5 min	EC50 = 13299 mg/L 48 h

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: In accordance with local and national regulations.

Contaminated Packaging: Empty containers should be taken for local recycling, recovery or waste disposal

US EPA Waste Number: Not Applicable

RCRA: Not Applicable

14. TRANSPORT INFORMATION

DOT: Not regulated

TDG: Not regulated

IATA: Not regulated

IMDG/IMO: Not regulated

15. REGULATORY INFORMATION

International Inventories:

Component	TSCA	DSL	EINECS/ELINCS	ENCS	CHINA	AICS
Ammonium Hydroxide as NH4OH	X	X	X	X	X	X
Silicon Dioxide		X			X	X
2-Propanol	X	X	X	X	X	X

USA:

Federal Regulations:

SARA 313:
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372:

Component	CAS-No	Weight %
2-Propanol	67-63-0	1 - 5

SARA 311/312 Hazardous Categorization:

Chronic Health Hazard:	No
Acute Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

FDA Status:
This product contains the following FDA Components

Component	FDA CFR Codes
Ammonium Hydroxide as NH4OH	21 CFR 184.1139
2-Propanol	21 CFR 172.515, 21 CFR 173.240, 21 CFR 173.340 21 CFR 175.105

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61):
This product does not contain any HAPs.

CERCLA:

Component	RQ	CERCLA EHS RQs
Ammonium Hydroxide as NH4OH	1000 lb	

State Regulations:

California Proposition 65:
This product does not contain any Proposition 65 chemicals.

State Right-to-Know:

Component	Massachusetts	New Jersey	Pennsylvania	Illinois
Ammonium Hydroxide as NH4OH	X	X	X	
Silicon Dioxide	X		X	
2-Propanol	X	X	X	

Canada:

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

WHMIS Hazard Class:
D1B Toxic materials

Component	WHMIS Classifications of Components
Ammonium Hydroxide as NH4OH	E
2-Propanol	B2, D2B (including 70%)

16. OTHER INFORMATION

Revision Date: 20-May-2007

Revision Summary: Not available

Disclaimer
The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

Hostmann-Steinberg

Material Safety Data

huber group

U.S. Version

Information on this form is proprietary and furnished solely for the use of our customers. This information applies only to wet, bulk ink.	HAZARD RATINGS
	HEALTH....1 FLAMMABILITY ....1 REACTIVITY 0
	minimal..0 slight..1 moderate..2 serious..3 severe..4

SECTION 1 - PRODUCT INFORMATION

PRODUCT GROUP:	Inkredible Sheetfed Process Inks – Yellow, Magenta, Cyan and Black
IDENTIFICATION CODES:	Perfexion (F 10 PX), Surprize (F 10 SP), Impression (F 10 IP), Reflecta (F 10 RL), Resista (F 10 RS), Rapida (F 10 RP)
MANUFACTURER: (CORPORATE)	Hostmann-Steinberg Limited, 12 Shaftsbury Lane, Brampton, Ontario, Canada, L6T 3X7 For Emergencies & Information call: 905-793-9970

SECTION 2 – HAZARDOUS INGREDIENTS

INGREDIENT	C.A.S. NUMBER	CONCENTRATION	EXPOSURE LIMITS ACGIH TLV	EXPOSURE LIMITS OSHA PEL
Hydrotreated Petroleum Distillates	-	See section 10	5 mg/m³ < mist > 5 mg/m³	

SECTION 3 - PHYSICAL DATA

BOILING POINT	> 464 F	**APPEARANCE**	paste	**EVAPORATION RATE**	Slower than butyl acetate
MELTING POINT	not available	**ODOR**	oleoresinous		
VAPOR DENSITY	> air	**VAPOR PRESSURE**	0.05mm @ 70 F	**SOLUBILITY**	Negligible in water

SECTION 4 - FIRE & EXPLOSION DATA

FLAMMABILITY	Not combustible or flammable under normal operating conditions	**FLASH POINT**	>212 F (PMCC)
UPPER EXPLOSION LIMIT	6.0 Vol%	**LOWER EXPLOSION LIMIT**	0.6 Vol%
EXTINGUISHING MEDIA	Foam, carbon dioxide, dry powder, water fog.		
UNUSUAL FIRE AND EXPLOSION HAZARDS	May emit dense smoke if ignited. Vacuum cans may explode if exposed to extreme heat, use water spray to cool cans and prevent pressure build-up.		
SPECIAL FIRE FIGHTING PROCEDURES	Wear adequate respiratory protection. Dense smoke may be generated if product is exposed to extreme heat.		

SECTION 5 - REACTIVITY DATA

STABILITY	Stable	**CONDITIONS TO AVOID**	not applicable
INCOMPATIBLE WITH	oxidizers, mineral acids		
HAZARDOUS POLYMERIZATION	will not occur	**CONDITIONS TO AVOID**	not applicable
HAZARDOUS DECOMPOSITION OR BYPRODUCTS	Burning may emit CO, CO_2 ,and organic vapours		

SECTION 6 – PRODUCT TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY	skin contact, eye contact	**IRRITANCY**	slight
EXPOSURE LIMITS	not determined	**SENSITIZATION**	Not applicable
CARCINOGENICITY	none known for lithographic paste ink mixtures	NTP – no	IARC – no OSHA - no
EFFECTS OF ACUTE EXPOSURE TO MATERIAL	Excessive inhalation of vapor may cause headaches, dizziness, drowsiness and nausea.		
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL	Prolonged or repeated skin contact may cause slight irritation.		
EFFECT ON EXISTING MEDICAL CONDITIONS	May aggravate existing dermatitis or other skin problems.		

SECTION 7 - FIRST AID MEASURES

EYES	Flush with water for 15 minutes, see a physician.
SKIN	Wash with soap and water, remove contaminated clothing.
INHALATION	Remove to fresh air, assist with breathing if required, call a physician if breathing does not improve.
INGESTION	Do not induce vomiting, drink plenty of water, call a physician (contains petroleum distillates).

SECTION 8 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

GLOVES	Optional (plastic or vinyl)	**CLOTHING**	Do not wash with domestic laundry.
EYE	Optional (Chemical goggles)	**RESPIRATORY**	Not required.
ENGINEERING CONTROLS	General ventilation if local ventilation is not available.		

ALLIED PRESSROOM CHEMISTRY
MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER : **ALLIED ALL STAR FOUNTAIN SOLUTION**
(Dampening solution for lithographic presses

MANUFACTURER'S NAME: ALLIED PRESSROOM CHEMISTRY.

STREET ADDRESS
2040 LEE STREET, HOLLYWOOD, FLORIDA, 33020, USA

OFFICE TELEPHONE:	FAX:	24 HR. EMERGENCY TELEPHONE
800-327-8487	954-923-6462	800-424-9300 CHEMTREC

THIS IS AN INDUSTRIAL CHEMICAL PRODUCT. ALL INDUSTRIAL CHEMICAL PRODUCTS POSE AN INHERENT HEALTH RISK. BEFORE USE ALWAYS READ COMPLETE LABEL AND MSDS FOR SAFE HANDLING PROCEDURES

0-minimal, 1-slight, 2-moderate, 3-serious, 4-severe

HEALTH HAZARD:	**2**
FIRE HAZARD:	**1**
REACTIVITY:	**0**
PROTECTIVE EQUIPMENT:	**C**


Safety Glasses


Gloves


Protective Apron

DO NOT BREATHE VAPORS. DO NOT GET IN EYES, SKIN. DO NOT GET ON CLOTHING. DO NOT INGEST

SECTION 2 – INGREDIENT INFORMATION

INGREDIENTS **These ingredients are subject to the reporting requirements of SARA 313 and 40 CFR 372*	%	CAS NUMBER	HAZARD DATA	
2-Butoxyethanol*	20-50	111-76-2	ACGIH (TWA-TLV) 25ppm (Skin) OSHA (PEL-SKIN) 50ppm	
Ethylene Glycol*	10-30	107-21-1	ACGIH (celing-vapor) 50 ppm	
Magnesium Nitrate	0-5	10377-60-3	Possible Oxidizer	
Cobalt Compounds*	< 1	7440-48-4	ACGIH (TLV-TWA) – 0.02 mg/m3	

ALL INGREDIENTS ARE LISTED IN THE US TOXIC SUBSTANCE CONTROL ACT (TSCA)

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE	ODOR AND APPEARANCE	WATER SOLUBILITY	PH	SPECIFIC GRAVITY
LIQUID	Clear light pink liquid, Glycol ether odor	Soluble	3 to 4	0.97
VAPOR PRESSURE	**VAPOR DENSITY**	**EVAPORATION RATE**	**BOILING POINT (°F)**	**V.O.C.'s**
(MM Hg) of VOC materials	(AIR=1)	(Butyl acetate = 1)	212	50 % by Mass
< 3.0 @ 20°C	>1	<1		4.0 lb per Gallon (481 g/l)

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY	IF YES, UNDER	
YES ☐ NO ■	WHICH CONDITIONS? * Product may burn under fire conditions.	
EXTINGUISHING MEDIA CARBON DIOXIDE, DRY CHEMICAL, UNIVERSAL FOAM.	SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus if needed.	
FLASHPOINT (°F) AND METHOD > 180 F by TCC	UPPER FLAMMABLE LIMIT (% BY VOLUME) : Unknown	LOWER FLAMMABLE LIMIT (% BY VOLUME): Unknown
AUTOIGNITION TEMPERATURE (°C) Not Known	HAZARDOUS COMBUSTION PRODUCTS Oxides of carbon and hydrocarbons.	
EXPLOSION DATA * NOT KNOWN	SENSITIVITY TO IMPACT NO	SENSITIVITY TO STATIC DISCHARGE NO

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY YES ■ NO ☐	CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERISATION None
INCOMPATIBILTY WITH OTHER SUBSTANCES Strong oxidizing agents, strong reducing agents, strong bases	
HAZARDOUS DECOMPOSITION PRODUCTS: In contact with open flame or incandescent material will liberate carbon dioxide, carbon monoxide and hydrocarbons	This product is not photochemically reactive

ALLIED PRESSROOM CHEMISTRY
MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFIER * **ALLIED ALL STAR FOUNTAIN SOLUTION**

SECTION 6 - TOXICOLOGICAL PROPERTIES

ROUTES OF ENTRY SKIN CONTACT ■ SKIN ABSORPTION ■ EYE CONTACT ■ INHALATION ■ INGESTION ■

ACUTE EXPOSURE TO PRODUCT: Inhalation - Inhalation can cause irritation of the respiratory tract, signs of central nervous system depression, dizziness nausea and headache. Eye - Will cause severe irritation, burning, redness and tearing. Skin - Can cause irritation, redness burning and drying. Ingestion causes irritation of the digestive tract. Aspiration into the lungs can lead to pulmonary odema and chemical pneumonia which can prove fatal.

CHRONIC EXPOSURE TO PRODUCT: Prolonged skin contact may aggravate an existing dermatitis. Pre-existing disorders of the lungs, (asthma-like conditions), liver, blood and kidneys may be aggravated by over-exposure.

CARCINOGENICITY: Cobalt Compounds cas # 7440-48-4 present at less than 1 % is listed as IARC Group 2B - a possible human carcinogen.

TARGET ORGAN EFFECTS: Over-exposure of the pure solvents has been linked to blood, liver and kidney abnormalities in animal studies. Has been linked to birth defects in animal studies, may harm fetus at exposure levels harmful to mother.

EMERGENCY FIRST AID PROCEDURES:
EYES: Flush with running water for at least 15 minutes. Seek medical attention.
SKIN: Wash affected area with soap and water. Remove contaminated clothing and launder before re-use.
INHALATION: Remove victim to fresh air. Administer oxygen and/or artificial respiration if breathing difficulties occur. Seek medical attention.
INGESTION: Do not induce vomiting. Material is an aspiration hazard, may enter lungs and cause lung damage. Seek immediate medical attention.

SECTION 7 - PREVENTATIVE MEASURES

GLOVES	**RESPIRATOR**: Use NIOSH approved SCBA in	**EYE** (SPECIFY)
Nitrile for incidental, non-immersion contact.	emergency situations or confined areas.	Splash proof goggles or face shield

CLOTHING : Boots, aprons , or chemical suits should be used when necessary to prevent skin contact.

ENGINEERING CONTROLS (SPECIFY, EG. VENTILATION, ENCLOSED PROCESS) : Use local exhaust or dilution ventilation as appropriate to control exposure below permissible levels. Vapors are heavier than air and will collect in low areas

LEAK AND SPILL PROCEDURE: Extinguish all sources of ignition. Provide maximum ventilation. Dike area to contain spill. Take precautions to prevent contamination of ground and surface waters. Recover spilled material using absorbent material such as vermiculite and sweep into closed containers for disposal.

WASTE DISPOSAL: Contaminated vermiculite or porous surface must be disposed of in a permitted hazardous waste facility. Recovered liquids may be reprocessed or incinerated in a permitted hazardous waste facility. In all cases material should be disposed of in accordance with all applicable regulations.

HANDLING PROCEDURES AND EQUIPMENT: Keep container closed when not in use. Store only in closed, properly labeled containers. Store in a cool, dry, well ventilated area away from heat sparks and open flames. Treat empty containers as containing hazardous residues.

SECTION 8 - ADDITIONAL INFORMATION

CALIFORNIA PROPOSITION 65: *This regulation does not address "de minimis" levels. Therefore even trace amounts of chemicals on these lists must be identified. Trace quantities refer low levels of materials whose exact concentrations may not always be determined because of their minuteness.* This product contains the following chemicals known by the state of California to cause cancer: 1,4–dioxane, ethylene oxide, acetaldehyde, Dimethylnitrosamine. This product contains the following chemicals known by the state of California to cause reproductive harm : ethylene oxide.

SHIPPING INFORMATION: Not regulated for shipping purposes

SECTION 9 - PREPARATION AND DATE OF MSDS

PREPARED BY (GROUP DEPARTMENT, ETC.)	PHONE NUMBER	DATE
ALLIED PRESSROOM CHEMISTRY TECHNICAL SERVICES DEPARTMENT	1-800-327-8487	Jan 2007

BLANKET WASH.

MATERIAL SAFETY DATA SHEET

BÖTTCHERIN PK6

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: **Böttcher America, Inc.** Product Name: **BÖTTCHERIN PK6**
Böttcher America, Inc., 4600 Mercedes Drive, Belcamp, MD 21017
Product Number: **23181** Date Prepared: 05/13/2008
Customer Information Phone Number: 1-410-273-7000
CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300
3 E COMPANY: 24 Hour Medical Emergency Phone Number: 1-800-451-8346

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
ALIPHATIC HYDROCARBON*	64742-48-9	100mg/m³V	100 mg/m³	60-70
*AROMATIC HYDROCARBON	64742-95-6	N.E.	N.E.	20-30
NONYLPHENOXYPOLY (ETHLENEOXY)ETHANOL	9016-45-9	N.E.	N.E.	1-5

*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372. BOTTCHERIN PK6 CONTAINS 10% 1, 2, 4-TRIMETHYLBENZENE Cas# 95-63-6, which has a PEL of 25 ppm TWA, and < 1% XYLENE Cas # 1330-20-7 which has a PEL and TLV of 100 ppm, and < 1% CUMENE Cas # 98-82-8 which has a PEL and TLV of 50 ppm by weight which are components in the mixture.

3. HAZARDOUS IDENTIFICATION

Emergency Overview: **WARNING! This product is COMBUSTIBLE. Harmful if inhaled or absorbed through the skin. May be harmful or fatal if ingested.**

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause tearing, stinging, redness, irritation, and burns.
Inhalation: Irritating to respiratory tract. Prolonged or repeated breathing of very high vapor concentrations may cause euphoria, excitation, and dizziness, headaches, nausea, and vomiting, abdominal pain, fatigue, muscular weakness. Aspiration into the lungs can cause CNS (central nervous system) and subsequent aspiration into the lungs can cause pulmonary edema and chemical pneumonia depression. Chronic overexposure in high concentrations may produce CNS depression.
Ingestion: Swallowing large amounts may be harmful. Irritation of the mouth, esophagus, and stomach can develop following ingestion. Symptoms include burning of the mouth, sore throat, vomiting, nausea, dizziness, loss of consciousness. Due to its light viscosity, there is danger of aspiration into the lungs during vomiting.
Skin Contact: Prolonged or repeated skin contact may cause moderate irritation including itching and redness of the skin, defatting, and/or dermatitis. This product can also be absorbed through the skin and could produce CNS symptoms, but it is unlikely that this would result in harmful effects during safe handling and use.
Signs And Symptoms Of Exposure: Eye irritation, respiratory irritation, dizziness, fatigue, headache, unconsciousness or asphyxiation. Chronic effects of ingestion and subsequent aspiration into the lungs can cause pneumatocele (lung cavity) formation and chronic lung dysfunction.

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Get immediate medical attention.

Inhalation: If breathing difficulties, dizziness, or light-headedness occur when working in areas with high vapor concentrations, victim should seek fresh air. Inhalation overexposure can produce toxic effects. If not breathing, begin CPR. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: If swallowed, DO NOT induce vomiting. This material presents a significant aspiration /chemical pneumonitis hazard. If spontaneous vomiting is about to occur, place victim's head below knees. Call a physician or poison control center.

Skin Contact: Wash skin with soap and water. Wash contaminated clothing before re-use. Get medical attention if irritation or allergic reaction develops.

Aggravated Medical Conditions: Personnel with pre-existing central nervous system (CNS) disease, neurological conditions, skin or blood disorders, chronic respiratory diseases, or impaired liver or kidney function, and women intending to conceive should avoid exposure. Allergies, chronic asthma may be exacerbated by fumes from this product.

Supplemental Health Information: This product does not contain any components at concentrations at or above 0.1% which are considered carcinogenic in humans by IARC, NTP, or OSHA.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point: 105 °F Flash Point Method: Closed cup Auto ignition: > 230°C
LEL: 0.6 UEL: 6.0

Extinguishing Media: Use dry chemicals, carbon dioxide foam, water fog, or inert gas (nitrogen) for small fires. For large fires use foam, water fog, or water spray. Water fog and spray are effective in cooling containers and adjacent structures but might cause frothing and/or not achieve extinguishment. A water jet may be used to cool the container's external walls to prevent pressure build-up, auto ignition, or explosion. NEVER use a water jet directly on the fire. Product will float and can be re-ignited on surface of water.

Special Fire-Fighting Procedures: **Combustible liquid**. When entering confined space, wear positive pressure NIOSH-approved SCNA, full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots). Use water spray to cool containers, to prevent weakening of container structure or buildup of vapor pressure which could result in container rupture. Fight the fire from the maximum distance or use unmanned hose holders or monitor nozzles.

Unusual Fire And Explosion Hazards: Vapors are heavier than air and may travel along the ground. Prevent generation of mists. When mixed with air in certain proportions and exposed to an ignition source, its vapor can cause a flash fire. If container is not properly cooled, it can rupture in the heat of a fire.

Combustion Products: Above 38°C explosive vapor/air mixtures may be formed. This material releases vapors at or approaching its flash point temperature. Carbon monoxide, carbon dioxide and other vapors upon burning.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Spilled Or Released: Ventilation. **Combustible material.** Evacuate all non-essential personnel from the immediate area. Eliminate potential sources of ignition. Keep away from strong oxidizers. A vapor-suppressing foam may be used to reduce vapors. Wear appropriate respirator and other fire-protective clothing. (Extra personal protection: filter respirator for organic vapors of low boiling compounds.) Do not walk through spilled material. Contain the spill. Remove with non-sparking equipment or soak up residue with an absorbent such as clay, sand, or other inert material. Place in non-leaking containers and seal tightly for proper

disposal. Flush area with water to remove trace residue and dispose of flush solution as above. Do not wash into sewers.

7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Use only with adequate ventilation. Keep containers closed and do not handle or store near heat, sparks, or any other potential ignition sources. A spill or leak can cause an immediate fire/explosion hazard. Bond and ground all equipment. Store in a cool, dry, well ventilated FIREPROOF area or separate safety cabinet. Do not store above 49°C/120°F. Do not store with incompatible materials. Keep separate from strong oxidants. Do not store or consume food, drink, or tobacco where they may become contaminated with this material. NO OPEN FLAMES, NO SPARKS, AND NO SMOKING. Above 38° C use a closed system, ventilation, and explosion-proof electrical equipment.

Other Precautions: All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Do not reuse containers. Empty containers may contain material residues which can ignite with explosive force. Cutting or welding of empty containers can cause fire, explosion, or release fumes from residues. Keep containers closed and drum bungs in place. Dispose of or recondition in a licensed facility.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Use an approved a positive-pressure, pressure demand, self-contained breathing apparatus (SCBA) for unknown vapor concentrations. For known vapor concentrations above the exposure guideline, use a NIOSH-approved organic vapor respirator is adequate protection is provided.

Ventilation: Ventilation rates should match conditions of use to keep airborne concentrations of vapor and/or mists below exposure limits. If the vapor level can approach the LEL – the lower explosion limit. Use explosion proof system.

Protective Gloves: Disposable PVC, neoprene, nitrile, and vinyl gloves which are impermeable to the specific material are recommended.

Eye Protection: Chemical safety goggles/splash shield.

Other Protective Clothing or Equipment: Avoid skin contact. Wear appropriate equipment to prevent probability of exposure and personal contact. It is recommended that fire-retardant garments be worn while working with flammable and combustible liquids. If splashing or spraying is expected, chemical-resistant protective clothing should be worn.

Work/Hygienic Practices: Use good personal hygiene when handling this product. Wash hands after use, before smoking or using the toilet.

Engineering Controls: Provide adequate exhaust ventilation or other engineering controls to keep airborne concentrations below exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Exposure Guidelines: Avoid inhalation of vapor. Personal contact with this product should be avoided. See Section 2.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Clear, water white liquid with hydrocarbon odor.
Solubility In Water: Partly water miscible.

Boiling Point: 310° F - 395° F	Specific Gravity: 0.82 @25° C
Freezing Point: -65°C -25°C	Vapor Pressure: 2.68 mm Hg @68° F
Percent Volatile: 97.3	Melting Point: Not applicable
Evaporation Rate: 0.11 (n-Butyl acetate =1)	Vapor Density: < 4.9

Ph: Not applicable
Pounds Per Gallon: 6.8

Molecular Weight: Not applicable
V.O.C. is 794.9gm/L; 97.3%; 6.6 lbs/gal.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions To Avoid: Extreme heat, sparks, and open flames. Keep from strong acids and strong oxidizers.
Incompatibility: Strong acids, alkalis, and oxidizers such as liquid chlorine, halogens, hydrogen peroxide, oxygen.
Hazardous Decomposition Or By Products: Carbon monoxide and oxide on combustion.
Hazardous Polymerization: Will Not Occur

11. TOXICOLOGICAL INFORMATION

Based upon animal testing, the C9 aromatic hydrocarbon components (trimethylbenzenes and ethylmethylbenzenes) are presumed to cause fetal toxicity and/or decreased fetal and newborn weights if overexposure occurs during the early gestation period.

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Discharge, treatment or disposal may be subject to Federal, State (provincial in Canada) or local laws.

14. TRANSPORT INFORMATION

This material is not regulated for domestic ground shipments by the U.S. Department of Transportation (DOT) when transported in non-bulk (a packaging which has a maximum capacity of 119 gallons or less as a receptacle for a liquid). Reference 49 CFR 173.120 (b) (2) and 173.150 (f) (1).

In summary, for non-bulk domestic ground shipments:

DOT Class: Not Regulated
Hazard Class: Not Applicable
UN No.: Not Applicable
Packing Group:
Guide No.:

If this material if offered for domestic ground shipment in bulk (a packaging which has a maximum capacity greater than 119 gallons as a receptacle for a liquid), then the material is regulated. Reference 49 CFR 173.120 (b) (2) and 173.150 (f) (2).

In summary, for bulk domestic ground shipments:

DOT Shipping Name: Combustible Liquid, N.O.S. (Contains petroleum distillates)
Hazard Class: Combustible
UN No.: NA 1993
Packing Group: III
Guide No. 128

The domestic provisions provided for in non-bulk and bulk ground shipments are not valid for transportation by aircraft or vessel and they are not valid for international shipments. Please follow the appropriate DOT regulations in 49 CFR and the information referenced where appropriate in the IATA Dangerous Goods Transportation Regulation, the International Maritime Organization (IMO), the International Civil Aviation Organization (ICAO and our NFTA partner hazardous material regulation requirements.

15. REGULATORY INFORMATION

TSCA: All ingredients in this finished product are listed on the EPA TSCA INVENTORY.
SARA TITLE III: 1, 2, 4 Trimethylbenzene (Cas # 95-63-6), Xylene (Cas#1330-20-7), Cumene (Cas # 98-82-8) are components of ingredients in product as well as Glycol ethers and are listed under Section 313.
CALIF. PROP. 65: This product contains a mixture including Benzene, Toluene, 1, 4 Dioxane (Cas # 123-91-1), Ethylene Oxide (Cas # 75-21-8), Acetaldehyde, and Formaldehyde (gas) at levels less than 0.1%. The following information is required by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986, or Proposition 65. This regulation does not address di minimus levels; therefore, even trace amounts of the chemicals included on Proposition 65's list of chemicals known to the State of California to cause cancer or reproductive toxicity must be noted with the "Safe Harbor" wording. WARNING: This product contains benzene, toluene, 1, 4 dioxane, ethylene oxide, acetaldehyde, and formaldehyde known to cause birth defects or other reproductive harm.
CARCINOGENICITY: NONE OF THE COMPONENTS IN THIS CHEMICAL IS PRESENT ABOVE THE MINIMUM AMOUNT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

16. OTHER INFORMATION (HMIS)

Health: 1
Flammability: 2
Reactivity: 0
Protective: B

SCAQMD Rule 443.1

Photochemically Reactive: Yes
Maximum Grams of VOC per Liter: 794.9 gm/L
Vapor Pressure: 2.68 mm Hg@ 20 Degrees C

OTHER ADDITIONAL INFORMATION: The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for the injuries from the use of the product described herein.

Böttcher America Corporation

Delivery Note

H And D Graphics
950 S.E. 8th Street
Hialeah FL 33010

Number
80832940
Date
08/15/2008
Order
20438277
Your order No.
13680
Order date
08/15/2008
Customer no.
114511
Contact person
Danielle Wilson
Telephone
-410-308-7215
Fax
-410-273-9232
Email
Danielle.Wilson@boettcher-systems.com

Delivery FOB direct
Sold-to Party H And D Graphics
33010 Hialeah

Item	Material	Description	ordered qty. Un.	delivered qty. Un.
	Your order No. 13680		dated: 08/15/2008	
010	00804885	Bottcherin PK 5 55 gallon Our order No. 20438277 Item: 10	2 DRU	2 DRU

Order Placed By Jimmy Mac Via Order Form

ALLIED PRESSROOM CHEMISTRY
MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER * **WIKOFF MRC** PRODUCT USE * Blanket and roller wash for lithographic presses.	**HEALTH HAZARD:** 2 **FIRE HAZARD:** 3 **REACTIVITY:** 0 **PROTECTIVE EQUIPMENT:** SC (Synthetic gloves, apron and splash goggles)

MANUFACTURER'S NAME
ALLIED PHOTO OFFSET SUPPLY CORP.

STREET ADDRESS
2040 LEE STREET

CITY	STATE	TELEPHONE:
HOLLYWOOD	FLORIDA	800-327-8487
ZIP CODE	EMERGENCY TELEPHONE NO	FAX:
33020	800-424-9300 CHEMTREC	954-923-6462

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS **These ingredients are subject to the reporting requirements of SARA 313 and 40 CFR 372*	%	CAS NUMBER	HAZARD DATA	LD50 OF INGREDIENT (SPECIFY SPECIES)
Xylene *	20 – 40	1330-20-7	ACGIH (TLV) TWA 100ppm	
Acetone	30 - 50	67-64-1	ACGIH (TLV) TWA 500 ppm	
Isopropyl alcohol	10 – 20	67-63-0	ACGIH (TLV) TWA 400 ppm	
2-Butoxyethanol *	1 – 5	111-76-2	ACGIH (TLV) TWA 25 ppm skin	

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE	ODOR AND APPEARANCE	ODOR THRESHOLD (PPM)
LIQUID	Clear colorless liquid, ketone odor	Not determined

VAPOR PRESSURE (MM Hg)	VAPOR DENSITY (AIR=1)	EVAPORATION RATE (Butyl acetate = 1)	BOILING POINT (°F)	MELTING POINT (°C)
185 mmHg @ 20°C	>1	<1	132 - 340	Liquid
PH	**SPECIFIC GRAVITY**	**SOLUBILITY IN WATER**	**V.O.C.'s**	
N/A	0.85	Immiscible	less exempt cpds - 4.6 lb/gal (551 g/l)	

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY
YES ■ NO □

IF YES, UNDER
WHICH CONDITIONS? * Heat, sparks and open flame.

EXTINGUISHING MEDIA
CARBON DIOXIDE, DRY CHEMICAL, UNIVERSAL FOAM.

SPECIAL FIRE FIGHTING PROCEDURES:
Use self contained breathing apparatus.

FLASHPOINT (°F) AND METHOD	UPPER FLAMMABLE LIMIT (% BY VOLUME)	LOWER FLAMMABLE LIMIT (% BY VOLUME)
< 4 by TCC	Unknown	Unknown

AUTOIGNITION TEMPERATURE (°C)
Unknown

HAZARDOUS COMBUSTION PRODUCTS
Oxides of carbon and hydrocarbons.

EXPLOSION DATA	SENSITIVITY TO IMPACT	SENSITIVITY TO STATIC DISCHARGE
* NOT KNOWN	NO	Yes

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY
YES ■ NO □

IF NO UNDER
WHICH CONDITIONS? * Not applicable

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERISATION
None

INCOMPATIBILTY WITH OTHER SUBSTANCES
YES ■ NO IF SO WHICH ONES? Strong oxidizing agents, strong reducing agents, strong bases

HAZARDOUS DECOMPOSITION PRODUCTS
In contact with open flame or incandescent material will liberate carbon dioxide, carbon monoxide and hydrocarbons.

PRODUCT INDENTIFIER • **WIKOFF MRC**

SECTION 6 - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY

SKIN CONTACT ■ SKIN ABSORPTION ■ EYE CONTACT ■ INHALATION ■ INGESTION ■

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: Inhalation - Inhalation can cause irritation of the respiratory tract, dizziness nausea and headache. Eye - Will cause severe irritation, burning, redness and tearing. Skin - Can cause irritation, redness burning and drying. Ingestion can result in irritation of the digestive tract. Aspiration into the lungs can lead to pulmonary odema and chemical pneumonia which can prove fatal.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Prolonged skin contact may aggravate an existing dermatitis Prolonged and repeated overexposure to solvents has been reported to cause permanent brain and central nervous system damage.

EXPOSURE LIMITS See section 2	IRRITANCY OF PRODUCT Light to moderate risk.	SENSITIZATION TO PRODUCT: None	CARCINOGENICITY: No ingredient identified as carcinogenic, or potentially carcinogenic by NTP, IARC or OSHA
TERATOGENICITY None	REPRODUCTIVE TOXICITY: None	MUTAGENICITY: None	SYNERGISTIC PRODUCTS: Not known

EMERGENCY FIRST AID PROCEDURES:
EYES: Flush with running water for at least 15 minutes. Seek medical attention.
SKIN: wash affected area with soap and water. Remove contaminated clothing and launder before re-use.
INHALATION: Remove victim to fresh air. Administer oxygen and/or artificial respiration if breathing difficulties occur. Seek medical attention.
INGESTION: Do not induce vomiting. Material is an aspiration hazard, may enter lungs and cause lung damage. Seek medical attention.

SECTION 7 – PREVENTATIVE MEASURES

GLOVES Nitrile for incidental, non-immersion contact.	RESPIRATOR Use SCBA in emergency situations or confined areas. Respirators must be approved by NIOSH	EYE (SPECIFY) Splash proof goggles or face shield

CLOTHING (SPECIFY)
Boots, aprons , or chemical suits should be used when necessary to prevent skin contact.

ENGINEERING CONTROLS (SPECIFY, EG. VENTILATION, ENCLOSED PROCESS)
Use local exhaust or dilution ventilation as appropriate to control exposure below permissible levels.

LEAK AND SPILL PROCEDURE:
Extinguish all sources of ignition. Provide maximum ventilation. Dike area to contain spill. Take precautions to prevent contamination of ground and surface waters. Recover spilled material using absorbent material such as vermiculite and sweep into closed containers for disposal.

WASTE DISPOSAL:
Contaminated vermiculite or porous surface must be disposed of in a permitted hazardous waste facility. Recovered liquids may be reprocessed or incinerated in a permitted hazardous waste facility. In all cases material should be disposed of in accordance with all applicable regulations.

HANDLING PROCEDURES AND EQUIPMENT
Keep container closed when not in use. Store only in closed, properly labeled containers. Vapors are heavier than air and will collect in low areas.

STORAGE REQUIREMENTS:
Store as FLAMMABLE LIQUID. Store in a cool, dry, well ventilated area away from heat sparks and open flames.

SPECIAL SHIPPING INFORMATION:
For industrial use only. Do not re-use the container. Keep out of reach of children.

ADDITIONAL INFORMATION

SPECIFIC MEASURES: This is an industrial material and should be used by trained personnel only. Containers of this material may be hazardous even when emptied, since containers will retain products residue. Follow all hazard warnings even after container is emptied. Do not breathe vapors, use with adequate ventilation. Avoid prolonged skin contact - wear protective gloves. Do not get in eyes - will cause severe irritation - wear protective goggles. Keep away from heat, sparks and open flame.

Proper Shipping Name	Flammable liquids, NOS (Contains:acetone, isopropyl alcohol)
Hazard Class	3
Identification Number	UN 1993
Packing Group	II

SECTION 9 - PREPARATION AND DATE OF MSDS

PREPARED BY (GROUP DEPARTMENT, ETC.) ALLIED PRESSROOM CHEMISTRY TECHNICAL SERVICES DEPARTMENT	PHONE NUMBER 1-800-327-8487	DATE JAN 2004

ALLIED PRESSROOM CHEMISTRY
MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER : **ALLIED NASGUM**
(Storage Gum/Plate Cleaner for lithographic presses)

MANUFACTURER'S NAME: ALLIED PRESSROOM CHEMISTRY.

STREET ADDRESS
2040 LEE STREET, HOLLYWOOD, FLORIDA, 33020, USA

OFFICE TELEPHONE:	FAX:	24 HR. EMERGENCY TELEPHONE
800-327-8487	954-923-6462	800-424-9300 CHEMTREC

THIS IS AN INDUSTRIAL CHEMICAL PRODUCT. ALL INDUSTRIAL CHEMICAL PRODUCTS POSE AN INHERENT HEALTH RISK. BEFORE USE ALWAYS READ COMPLETE LABEL AND MSDS FOR SAFE HANDLING PROCEDURES

0-minimal, 1-slight, 2-moderate, 3-serious, 4-severe

HEALTH HAZARD:	1
FIRE HAZARD:	2
REACTIVITY:	0
PROTECTIVE EQUIPMENT:	C


Safety Glasses


Gloves


Protective Apron

DO NOT BREATHE VAPORS. DO NOT GET IN EYES, SKIN. DO NOT GET ON CLOTHING. DO NOT INGEST

SECTION 2 – INGREDIENT INFORMATION

INGREDIENTS *These ingredients are subject to the reporting requirements of SARA 313 and 40 CFR 372	%	CAS NUMBER	HAZARD DATA	
Aromatic petroleum distillates	15-30	64742-95-6	ACGIH (TWA-TLV) 100ppm	

This ingredient contains approximately:
Xylene 2-5% cas#1330-20-7 OSHA PEL-100ppm,, Cumene* 1-4% cas#98-82-8 OSHA PEL 50 ppm;, Trimethylbenzenes* 30-50% cas#25551-13-7 No exposure levels established; Diethylbenzene 1-5 % cas#25340-17-4 No exposure levels established;, Ethylbenzene* 0-0.3% cas#100-41-4 OSHA PEL 100 ppm*

ALL INGREDIENTS ARE LISTED IN THE US TOXIC SUBSTANCE CONTROL ACT (TSCA)

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE	ODOR AND APPEARANCE	WATER SOLUBILITY	PH	SPECIFIC GRAVITY
VISCOUS LIQUID	Thick, creamy emulsion hydrocarbon odor	Miscible	4.5 to 5	1.0
VAPOR PRESSURE	**VAPOR DENSITY**	**EVAPORATION RATE**	**BOILING POINT (°F)**	**V.O.C.'s**
(MM Hg) of VOC materials	(AIR=1)	(Butyl acetate = 1)	212 initial	25 % by Mass
<3.0 @ 20°C	>1	<1		2.1 lb per Gallon (251 g/l)

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY	IF YES, UNDER
YES ■ NO □	WHICH CONDITIONS? * At temperatures above its flash point.

EXTINGUISHING MEDIA	SPECIAL FIRE FIGHTING PROCEDURES:
CARBON DIOXIDE, DRY CHEMICAL, UNIVERSAL FOAM.	Use self contained breathing apparatus.

FLASHPOINT (°F) AND METHOD	UPPER FLAMMABLE LIMIT	LOWER FLAMMABLE LIMIT
110 F by TCC	(% BY VOLUME) : Unknown	(% BY VOLUME): Unknown

AUTOIGNITION TEMPERATURE (°C)	HAZARDOUS COMBUSTION PRODUCTS
	Oxides of carbon and hydrocarbons.

EXPLOSION DATA * NOT KNOWN	SENSITIVITY TO IMPACT	SENSITIVITY TO STATIC DISCHARGE
	NO	NO

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY	CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERISATION
YES ■ NO □	None

INCOMPATIBILTY WITH OTHER SUBSTANCES
Strong oxidizing agents, strong reducing agents, strong bases

HAZARDOUS DECOMPOSITION PRODUCTS: In contact with open flame or incandescent material will liberate carbon dioxide, carbon monoxide and hydrocarbons	This product is photochemically reactive

ALLIED PRESSROOM CHEMISTRY
MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFIER * **ALLIED NASGUM**

SECTION 6 - TOXICOLOGICAL PROPERTIES

ROUTES OF ENTRY SKIN CONTACT ■ SKIN ABSORPTION ■ EYE CONTACT ■ INHALATION ■ INGESTION ■

ACUTE EXPOSURE TO PRODUCT: Inhalation - Inhalation can cause severe irritation of the respiratory tract, signs of central nervous system depression, dizziness nausea and headache. Eye - Will cause severe irritation, burning, redness and tearing. Skin - Can cause irritation, redness burning and drying. Ingestion causes irritation of the digestive tract. Aspiration into the lungs can lead to pulmonary odema and chemical pneumonia which can prove fatal. Prolonged over-exposure can lead to narcosis, respiratory failure , coma.

CHRONIC EXPOSURE TO PRODUCT: Prolonged skin contact may aggravate an existing dermatitis. Prolonged and repeated exposure to the pure solvent contained in this product has been reported to cause permanent brain and central nervous system damage.

CARCINOGENICITY: Ethylbenzene cas#100-41-4 present at less than 0.08% is listed as IARC Group 2B - a possible human carcinogen.

TARGET ORGAN EFFECTS: Over-exposure has been linked to blood, liver and kidney abnormalities in animal studies. Has been linked to birth defects in animal studies, may harm fetus at exposure levels harmful to mother.

EMERGENCY FIRST AID PROCEDURES:
EYES: Flush with running water for at least 15 minutes. Seek medical attention.
SKIN: wash affected area with soap and water. Remove contaminated clothing and launder before re-use.
INHALATION: Remove victim to fresh air. Administer oxygen and/or artificial respiration if breathing difficulties occur. Seek medical attention.
INGESTION: Do not induce vomiting. Material is an aspiration hazard, may enter lungs and cause lung damage. Seek immediate medical attention.

SECTION 7 - PREVENTATIVE MEASURES

GLOVES	**RESPIRATOR:** Use NIOSH approved SCBA in	**EYE** (SPECIFY)
Nitrile for incidental, non-immersion contact.	emergency situations or confined areas.	Splash proof goggles or face shield

CLOTHING : Boots, aprons , or chemical suits should be used when necessary to prevent skin contact.

ENGINEERING CONTROLS (SPECIFY, EG. VENTILATION, ENCLOSED PROCESS) : Use local exhaust or dilution ventilation as appropriate to control exposure below permissible levels. Vapors are heavier than air and will collect in low areas

LEAK AND SPILL PROCEDURE: Extinguish all sources of ignition. Provide maximum ventilation. Dike area to contain spill. Take precautions to prevent contamination of ground and surface waters. Recover spilled material using absorbent material such as vermiculite and sweep into closed containers for disposal.

WASTE DISPOSAL: Contaminated vermiculite or porous surface must be disposed of in a permitted hazardous waste facility. Recovered liquids may be reprocessed or incinerated in a permitted hazardous waste facility. In all cases material should be disposed of in accordance with all applicable regulations.

HANDLING PROCEDURES AND EQUIPMENT: Keep container closed when not in use. Store only in closed, properly labeled containers. Store as COMBUSTIBLE LIQUID. Store in a cool, dry, well ventilated area away from heat sparks and open flames. Treat empty containers as containing hazardous residues.

ADDITIONAL INFORMATION

CALIFORNIA PROPOSITION 65: *This regulation does not address "de minimis" levels. Therefore even trace amounts of chemicals on these lists must be identified. Trace quantities refer low levels of materials whose exact concentrations may not always be determined because of their minuteness.*
This product contains the following chemicals known by the state of California to cause cancer : benzene, dioxane, ethylene oxide, acetaldehyde. This product contains following chemicals known by the state of California to cause reproductive harm : benzene, toluene, ethylene oxide.
SHIPPING INFORMATION: Not regulated for ground domestic transportation in non-bulk quantities.
For export and air shipment: Flammable liquids, NOS (petroleum distillates), 3, UN 1993, PG III

SECTION 9 - PREPARATION AND DATE OF MSDS

PREPARED BY (GROUP DEPARTMENT, ETC.)	PHONE NUMBER	DATE
ALLIED PRESSROOM CHEMISTRY TECHNICAL SERVICES DEPARTMENT	1-800-327-8487	May 2005

Prisco®

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 07/05/2005 Reviewed on 07/05/2005

1 Identification of substance
· **Product details**
· Trade name: **SCRATCH REMOVER**
· Article number: C632
· Application of the substance / the preparation Surface cleaning
· Manufacturer/Supplier:
Printers Service
26 Blanchard Street
Newark, New Jersey, 07105
· Information department: 1-973-589-7800
· Emergency information: CHEMTREC (24 hr) 1-800-424-9300

2 Composition/Data on components
· **Chemical characterization**
· Description: Mixture of the substances listed below with nonhazardous additions.
· Dangerous components:

64742-95-6 Solvent naphtha (petroleum), light arom. Xn; R 10-20/21/22-36/38	10 - 20%
95-63-6 1,2,4-trimethylbenzene Xn; R 10-20/21/22-36/38	2.5 - 5%
1330-20-7 xylene Xn; R 10-20/21-38	≤ 2.5%
98-82-8 cumene Xn; R 10-20/21/22-36/38	≤ 2.5%

· Additional information: For the wording of the listed risk phrases refer to section 16.

3 Hazards identification
· **Hazard description:**
Harmful
· **Information pertaining to particular dangers for man and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Flammable.
Harmful by inhalation, in contact with skin and if swallowed.
Irritating to eyes and skin.
· **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
· **NFPA ratings (scale 0 - 4)**
Health = 1
Fire = 2
Reactivity = 0
· HMIS-ratings (scale 0 - 4)
Health = 1
Fire = 2
Reactivity = 0

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.
· **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 several minutes under running water. If symptoms persist, consult a doctor.

(Contd. on page 2)

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 07/05/2005 Reviewed on 07/05/2005

Trade name: SCRATCH REMOVER

(Contd. of page 1)

· **After swallowing:** Immediately call a doctor.

5 Fire fighting measures
· **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures
· **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
· **Measures for environmental protection:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
· **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.

7 Handling and storage

· **Handling:**
· Information for safe handling:
Store in cool, dry place in tightly closed receptacles.
Ensure good ventilation/exhaustion at the workplace.
· Information about protection against explosions and fires:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

· **Storage:**
· Requirements to be met by storerooms and receptacles: No special requirements.
· Information about storage in one common storage facility: Not required.
· Further information about storage conditions: Keep receptacle tightly sealed.

8 Exposure controls and personal protection
· **Additional information about design of technical systems:** No further data; see item 7.

· **Components with limit values that require monitoring at the workplace:**
95-63-6 1,2,4-trimethylbenzene
REL 125 mg/m³, 25 ppm
TLV 123 mg/m³, 25 ppm
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
98-82-8 cumene
PEL 245 mg/m³, 50 ppm
Skin
REL 245 mg/m³, 50 ppm
Skin
TLV 246 mg/m³, 50 ppm
· Additional information: The lists that were valid during the creation were used as basis.

· **Personal protective equipment:**
· General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.

(Contd. on page 3)

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 07/05/2005 Reviewed on 07/05/2005

Trade name: SCRATCH REMOVER

(Contd. of page 2)

Avoid contact with the eyes and skin.
· Breathing equipment:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
· Protection of hands:
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· Penetration time of glove material
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· Eye protection: Tightly sealed goggles

9 Physical and chemical properties

· **General Information**

Form:	Fluid
Color:	Whitish
Odor:	Characteristic

· **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100°C (212°F)

· **Flash point:** 38°C (100°F)

· **Ignition temperature:** 450.0°C (842°F)

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

Lower:	0.5 Vol %
Upper:	6.0 Vol %

· **Vapor pressure at 20°C (68°F):** 19.4 hPa (15 mm Hg)

· **Density at 20°C (68°F):** 0.960 g/cm³

· **Solubility in / Miscibility with**
Water: Partly miscible.
· **VOC** 124.7 g/l / 1.04 lb/gl (EPA Method 24)

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Dangerous reactions** No dangerous reactions known.
· **Dangerous products of decomposition:** Carbon monoxide and carbon dioxide

11 Toxicological information

· **Acute toxicity:**
· Primary irritant effect:
· on the skin: Irritant to skin and mucous membranes.
· on the eye: Irritating effect.
· Sensitization: No sensitizing effects known.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

(Contd. on page 4)

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 07/05/2005 Reviewed on 07/05/2005

Trade name: SCRATCH REMOVER

(Contd. of page 3)

Harmful
Irritant

* **12 Ecological information**
· **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

· **Product:**
· Recommendation:
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· Recommendation: Disposal must be made according to official regulations.
· Recommended cleansing agent: Water, if necessary with cleansing agents.

* **14 Transport information**

· Hazard class:	3
· Identification number:	NA1993
· Packing group:	III
· Proper shipping name (technical name):	COMBUSTIBLE LIQUID, N.O.S (Solvent naphtha (petroleum), light arom.)
· Remarks:	In 55 gallon drums, 6 gallon pails, 1 gallon cans and cases of one gallon cans this product is Not a DOT Regulated Material. In Semi-bulk (tote) containers it is a Combustable Liquid, N.O.S.
· Packaging group:	III

15 Regulations
· Sara
· Section 355 (extremely hazardous substances):
None of the ingredient is listed.
· Section 313 (Specific toxic chemical listings):
95-63-6 1,2,4-trimethylbenzene
1330-20-7 xylene
98-82-8 cumene
· TSCA (Toxic Substances Control Act):
7732-18-5 Water
64742-95-6 Solvent naphtha (petroleum), light arom.
95-63-6 1,2,4-trimethylbenzene
1330-20-7 xylene
98-82-8 cumene
· Proposition 65
· Chemicals known to cause cancer:
None of the ingredients is listed.
· Chemicals known to cause reproductive toxicity:
None of the ingredients is listed.
· Cancerogenity categories
· EPA (Environmental Protection Agency)
1330-20-7 xylene D
98-82-8 cumene D;
· IARC (International Agency for Research on Cancer) CBD
1330-20-7 xylene 3
· NTP (National Toxicology Program)
None of the ingredients is listed.
· TLV (Threshold Limit Value established by ACGIH)
1330-20-7 xylene A

(Contd. on page 5)

Material Safety Data Sheet
acc. to ISO/DIS 11014

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Trade name: SCRATCH REMOVER

(Contd. of page 4)

· MAK (German Maximum Workplace Concentration)
None of the ingredients is listed.
· NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.
· OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

· **Product related hazard informations:**
The product has been classified and marked in accordance with directives on hazardous materials.

· **National regulations:**

· Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

* **16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing MSDS:**
· **Contact:** CHEMTREC (24hr) 1-800-424-9300, Printers Service 1-973-589-7800
· * Data compared to the previous version altered.

Prisco

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 10/09/2008 Reviewed on 10/09/2008

* **1 Identification of substance**

· **Product details**

· Trade name: **Velocity Plate Cleaner**

· Article number: C514

· Application of the substance / the preparation Surface cleaning

· Manufacturer/Supplier:
Printers' Service
26 Blanchard Street
Newark, NJ 07105
· Information department: 1-973-589-7800 (MSDS revised 10/9/2008)
· Emergency information: CHEMTREC (24 hr) 1-800-424-9300

2 Composition/Data on components

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

· Dangerous components:

64741-41-9 Naphtha (petroleum), heavy straight-run Xn, Xi; R 36/38-65	60 - 70%
7558-80-7 sodium dihydro phosphate Xi; R 36	5 - 10%
56-81-5 glycerol	5 - 10%

· Additional information: For the wording of the listed risk phrases refer to section 16.

* **3 Hazards identification**

· **Hazard description:**
Harmful
· **Information pertaining to particular dangers for man and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Flammable.
Harmful by inhalation, in contact with skin and if swallowed.
Irritating to eyes, respiratory system and skin.
· **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
· **NFPA ratings (scale 0 - 4)**
Health = 1
Fire = 2
Reactivity = 0
· HMIS-ratings (scale 0 - 4)
Health = 1
Fire = 2
Reactivity = 0

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.
· **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 several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:** Immediately call a doctor.

(Contd. on page 2)

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 10/09/2008 Reviewed on 10/09/2008

Trade name: Velocity Plate Cleaner

(Contd. of page 1)

5 Fire fighting measures
· **Suitable extinguishing agents:**
CO_2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures
· **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
· **Measures for environmental protection:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
· **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.

7 Handling and storage
· **Handling:**
· Information for safe handling:
Store in cool, dry place in tightly closed receptacles.
Ensure good ventilation/exhaustion at the workplace.
· Information about protection against explosions and fires:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

· **Storage:**
· Requirements to be met by storerooms and receptacles: No special requirements.
· Information about storage in one common storage facility: Not required.
· Further information about storage conditions: Keep receptacle tightly sealed.

*
8 Exposure controls and personal protection
· **Additional information about design of technical systems:** No further data; see item 7.

· **Components with limit values that require monitoring at the workplace:**
56-81-5 glycerol
PEL 15*; 5** mg/m³
*Total dust **Respirable fraction
· Additional information: The lists that were valid during the creation were used as basis.

· **Personal protective equipment:**
· General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
· Breathing equipment:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
· Protection of hands:
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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Trade name: Velocity Plate Cleaner

(Contd. of page 2)

· Penetration time of glove material
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· Eye protection: Tightly sealed goggles

* **9 Physical and chemical properties**
· **General Information**

Form:	Fluid
Color:	Clear
Odor:	Characteristic

· **Change in condition**

Melting point/Melting range:	N/A
Boiling point/Boiling range:	100°C (212°F)

· **Flash point:** 42°C (108°F)
· **Ignition temperature:** 400.0°C (752°F)
· **Auto igniting:** Product is not selfigniting.
· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· **Explosion limits:**

Lower:	0.7 Vol %
Upper:	6.0 Vol %

· **Vapor pressure at 20°C (68°F):** 17.8 hPa (13 mm Hg)
· **Density at 20°C (68°F):** 0.91 g/cm³
· **Solubility in / Miscibility with**
Water: Dispersible.
· **Additional information:** Vapor pressure minus water - 4.12 hPa (3.1 mm Hg)
· **VOC** 560.1 g/l / 4.67 lb/gl

* **10 Stability and reactivity**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Dangerous reactions** No dangerous reactions known.
· **Dangerous products of decomposition:** Carbon monoxide and carbon dioxide

11 Toxicological information
· **Acute toxicity:**
· LD/LC50 values that are relevant for classification:
64741-41-9 Naphtha (petroleum), heavy straight-run
Oral LD50 25000 mg/kg (rat)
Inhalative LC50/4 h 700 mg/l (rat)
· Primary irritant effect:
· on the skin: Irritant to skin and mucous membranes.
· on the eye: Irritating effect.
· Sensitization: No sensitizing effects known.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful

* **12 Ecological information**
· **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water

(Contd. on page 4)

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 10/09/2008 Reviewed on 10/09/2008

Trade name: Velocity Plate Cleaner

(Contd. of page 3)
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

· **Product:**
· Recommendation:
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· Recommendation: Disposal must be made according to official regulations.
· Recommended cleansing agent: Water, if necessary with cleansing agents.

*

14 Transport information

· Hazard class:	3
· Identification number:	NA1993
· Packing group:	III
· Proper shipping name (technical name):	COMBUSTIBLE LIQUID, N.O.S (Naphtha (petroleum), heavy straight-run)
· Packaging group:	III

15 Regulations

· Sara
· Section 355 (extremely hazardous substances):
None of the ingredient is listed.
· Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.
· TSCA (Toxic Substances Control Act):
All ingredients are listed.
· Proposition 65
· Chemicals known to cause cancer:
None of the ingredients is listed.

· Cancerogenity categories
· EPA (Environmental Protection Agency)
None of the ingredients is listed.
· IARC (International Agency for Research on Cancer)
None of the ingredients is listed.
· NTP (National Toxicology Program)
None of the ingredients is listed.
· TLV (Threshold Limit Value established by ACGIH)
None of the ingredients is listed.
· MAK (German Maximum Workplace Concentration)
None of the ingredients is listed.
· NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.
· OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

· **Product related hazard informations:**
The product has been classified and marked in accordance with directives on hazardous materials.

· **National regulations:**

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

*

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing MSDS:**
· **Contact:** CHEMTREC (24hr) 1-800-424-9300, Printers Service 1-973-589-7800
· * Data compared to the previous version altered.

DODD COMMUNICATIONS

950 SE 8th Street, Hialeah, FL 33010

August 21, 2009

Florida DEP
Receipts
P.O. Box 3070
Tallahassee, FL 32315-3070

Re: Non Title V General Permit Application – Initial

Dear Sir/Madam:

Enclosed please find our Non Title V Initial General Permit application package for our nonheatset sheetfed offset printing operation located at 950 SE 8th Street, Hialeah, FL 33010.

Our operation consists of conventional sheetfed offset printing, two 6C 28"x40" Heidelberg sheetfed presses with an aqueous coater, a 6C Heidelberg 29"x13.25" Heidelberg sheetfed press with an aqueous coater and a 2C duplicator. Based on our estimate of chemical usage and VOC emissions, our operation meets the eligibility requirements under the FLDEP rule on general permit for printing. Please see Attachment A for details. The total VOC emissions amount to 8.2 tons per year.

Please review our application at your earliest convenience. Should you have any questions, please contact our consultant, Dr. Nelson Ho @ (412) 996-0338. Thank you very much for your time and consideration.

Sincerely,

Troy Dominy
President

Enclosure

TABEL OF CONTENTS

Air General Permit Registration Form – Printing Operation

Attachment A – PTE of VOE Emissions Estimate

Attachment B – Process Flow Diagram and Descriptions (3)

Attachment C – Plot Plan and Site Plan

Attachment D - MSDS

Air General Permit Registration Form – Printing Operations

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